Peter Van Alyea Redwood Oil Company 50 Professional Center Drive, Suite 100 Rohnert Park, CA 94928

Remediation System Operation Report Fourth Quarter 2005 Redwood Oil Company Bulk Plant 455 Yolanda Santa Rosa, CA

Dear Mr. Van Alyea:

ECM Group (ECM) has prepared this report summarizing the operation of the ground water remediation system at the above-referenced site (Figures 1 and 2, Appendix A) for the period of October 3, 2005 through December 23, 2005. The system consists of a Ground Water Extraction (GWE) system. A plan view of the system is shown on Figure 3 (Appendix A). A Soil Vapor Extraction (SVE) system and an Air Sparge (AS) system were formerly operated at the facility. Operation of the SVE system was discontinued in September of 2003. Operation of the AS system was discontinued in April of 2005.

SYSTEM OPERATION

A summary report describing system installation was submitted in November 2001. The GWE system was activated in June, 2001. The AS system was activated in July, 2001. The SVE system was initially activated on July 27, 2001. On August 22, 2001, the SVE system was deactivated in order to clean the furnace catalyst and bring the system to Bay Area Air Quality Management (BAAQMD) standards. Modifications were completed and the system was reactivated on September 18, 2001.

A System Evaluation Report dated August 27, 2003 recommended deactivation of the SVE system.² The SVE system was deactivated September 5, 2003. Historical operating data for the SVE system is presented in Tables 1 and 2, Appendix B.

ECM, 2001, Remedial System Installation, Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, CA, November 12, 2001, 5 pages and 4 appendices.

^{2 2003,} ECM, Remedial System Evaluation and Monitoring Reduction Proposal, 455 Yolanda Ave., Santa Rosa, CA August 27, 2003, 10 pages and 3 attachments.

The remediation system infrastructure includes nine wells (GWE/SVE-1 through GWE/SVE-9) which are constructed as combined GWE/SVE wells, seven GWE wells (PMCS-1 through PMCS-6, and GWE-10), three SVE wells (SVE-11 through SVE-13), and 14 air injection (sparge) points. Schematics of GWE wells are shown in Figures 4 and 5 (Appendix A). Schematics of SVE wells are shown in Figures 6 and 7 (Appendix A). Schematics for combined GWE/SVE well-heads are shown in Figure 8 (Appendix A). Schematics of an AS injection point is shown in Figure 9 (Appendix A). Typical conduit trench details are shown in Figure 10 (Appendix A). Layout of the water, air, and electrical systems in the treatment system pad are shown in Figures 11 through 13 (Appendix A).

Analytic laboratory reports for system influent water samples collected during the fourth quarter of 2005 are included in Appendix C. Operation and maintenance field notes are included in Appendix D.

GWE System Operation

The GWE system extracts ground water from a total of 16 wells (Figure 3, Appendix A). Table 3 (Appendix B) provides flow totalizer readings for the GWE system. Between system start-up and December 23, 2005, a total of 4,733,386 gallons of ground water were extracted by the system. Flow rate for the system over the fourth quarter of 2005 varied from 0.0 to 3.2 gallons per minute (GPM).

Table 5 (Appendix B) provides measurements of ground water levels in extraction wells. Water levels in extraction wells are measured semi-annually. As a measure of system performance, water levels in extraction wells may be compared to water levels in site monitoring wells (Table 7, Appendix B). System extraction wells are approximately 30 ft in depth and contain pumps that are 5 ft in length. Pumps are set approximately 0.5 ft from the bottom of each well. A water level of approximately 24 to 30 ft bgs in an extraction well is an indicator of optimum performance. Water levels in extraction wells are provided in Table 5 (Appendix B).

Air Sparge System Operation

The air sparge system consisted of 14 air injection points (Figure 3, Appendix A). Table 6 (Appendix B) presents air flow readings for each sparge point since system start-up, which were recorded quarterly. Air was delivered to the injection points at approximately 20 psi.

The AS system was designed to operate in conjunction with the SVE system. Operating the AS system at its previous flow rate (2 to 10 scfm) without the SVE system in operation to remove volatilized hydrocarbons is not advised. After deactivation of the SVE system, the AS system was converted to a low-flow system, with a flow rate of less than 1 scfm for each injection point. The purpose of the low flow system was to continue to introduce oxygen into the subsurface, encouraging bioremediation.

On April 24, 2005 the air sparge portion of the remediation system was deactivated for an efficiency evaluation. The air sparge system remained off during the fourth quarter of 2005. Details of hours of operation and sparge point data are provided in Table 6 (Appendix A).

SYSTEM PERFORMANCE EVALUATION

GWE System Performance Evaluation

The GWE system operated during the fourth quarter of 2005 with down time for minor maintenance and replacement of the air compressor. The system was off for compressor replacement between September 30 and October 21, 2005. The new compressor was installed in order to increase system efficiency. Minor maintenance also included sealing small leaks in air pressure lines, fixing pump regulators, and changing the compressor controller switches.

System performance may be measured by quantity of hydrocarbons removed. Since hydrocarbons have a very low solubility in water, mass of hydrocarbons removed by a ground water extraction system is typically low relative to the quantity of hydrocarbons sorbed to soil. Another measure of system performance is the system's ability to control the offsite migration of impacted ground water.

During the fourth quarter of 2005, a total of 187,467 gallons of ground water were extracted by the system (Table 3, Appendix A), at a flow rate of between 0.0 and 3.18 GPM. Hydrocarbon removal is calculated using the ground water influent hydrocarbon concentrations in Table 4 (Appendix B) and the figures for gallons discharged in Table 3 (Appendix A). Assuming the influent stream sample collected on October 3, 2005 was typical for the quarter as a whole (i.e., assuming an average concentration of <50 parts per billion (ppb) for gasoline, 75 ppb for diesel, and 84 ppb for MTBE), then mass of contaminant removed by the GWE system during the third quarter was approximately 0.05 kg of gasoline and diesel and 0.06 kg of MTBE. Quarterly hydrocarbon removal rates are shown in Table 8 and Graph 1 (Appendix B).

Water level measurements are collected in pumping wells and monitoring wells on a semi-annual basis. Water level measurements in pumping wells and monitoring wells are used to evaluate GWE system performance in terms of drawdown and plume migration control. Figure 2

(Appendix A) shows inferred ground water elevation contours based on the measurements recorded on February 1, 2006. Water levels for GWE wells were measured last on January 27, 2006 to evaluate system performance. Measurements are provided in Table 5 (Appendix B).

Thank you for the opportunity to provide environmental consulting services to Redwood Oil Company. Please call if you have questions or require additional information.

Sincerely, ECM Group

David Hazard Staff Scientist

Chris Bramer

Professional Engineer #C048846

PROFESSIONAL CHESSIONAL CHESSION ALL CHESSIO

Attachments: Appendix A - Figures

Appendix B - Tables

Appendix C - Laboratory Analytical Reports and Chain of Custody Record

Appendix D - Field Notes

cc: Joan Fleck, NCRWQCB

APPENDIX A FIGURES

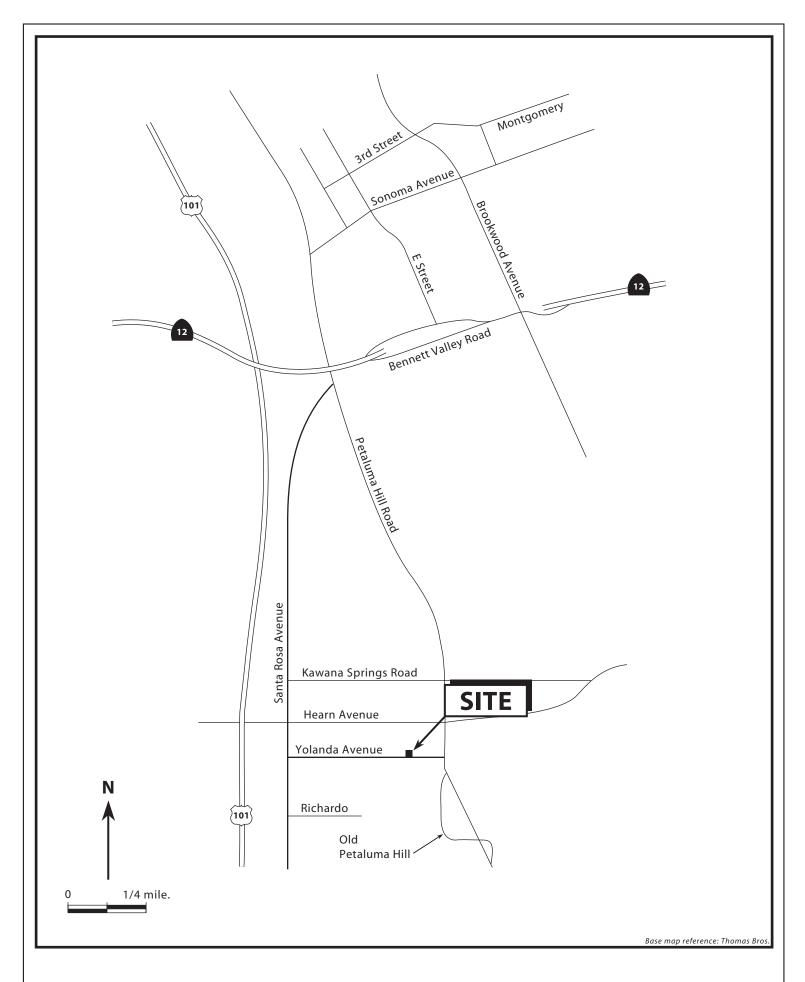


Figure 1. Site Location Map - Redwood Oil Service Station, 455 Yolanda Avenue, Santa Rosa, California

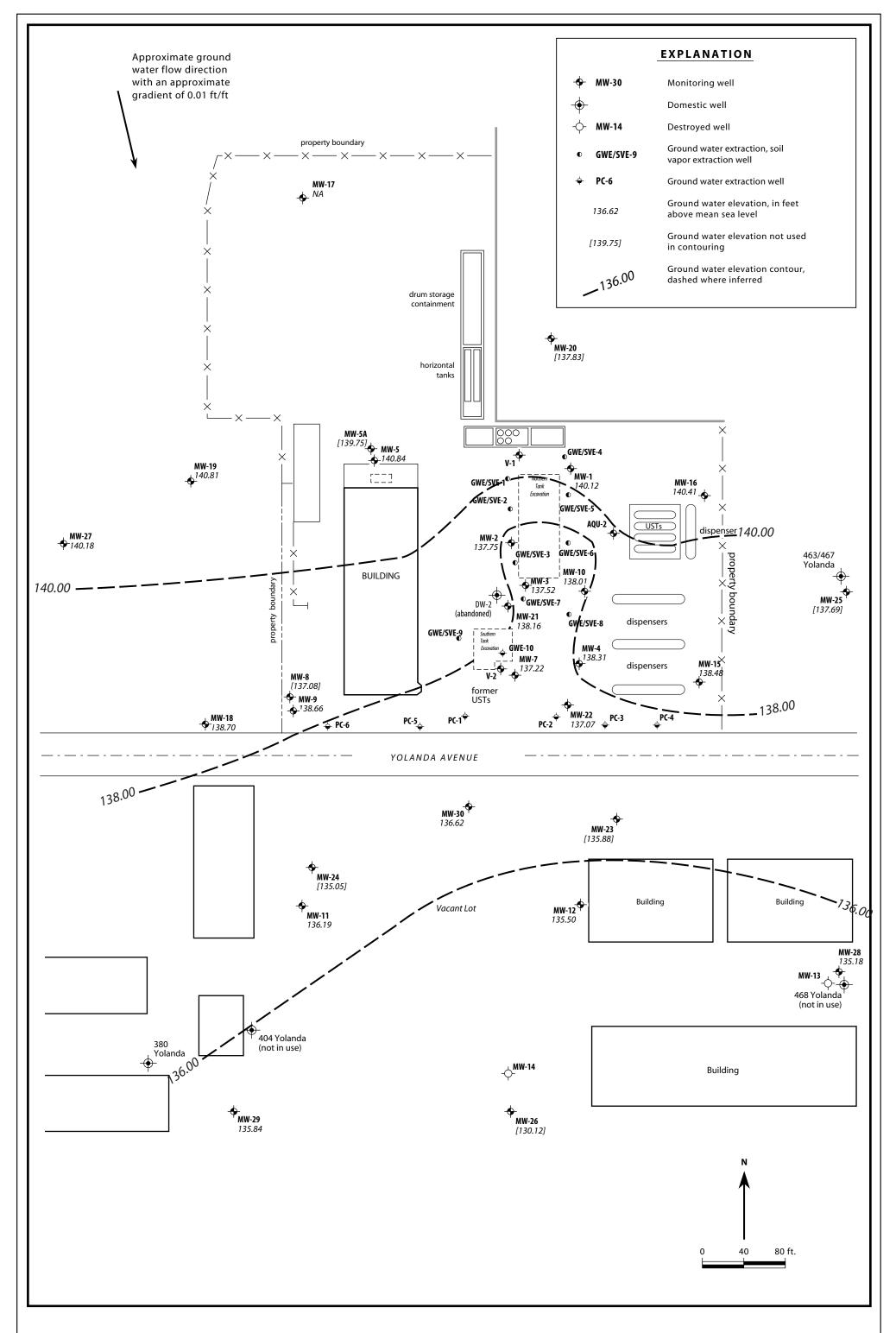
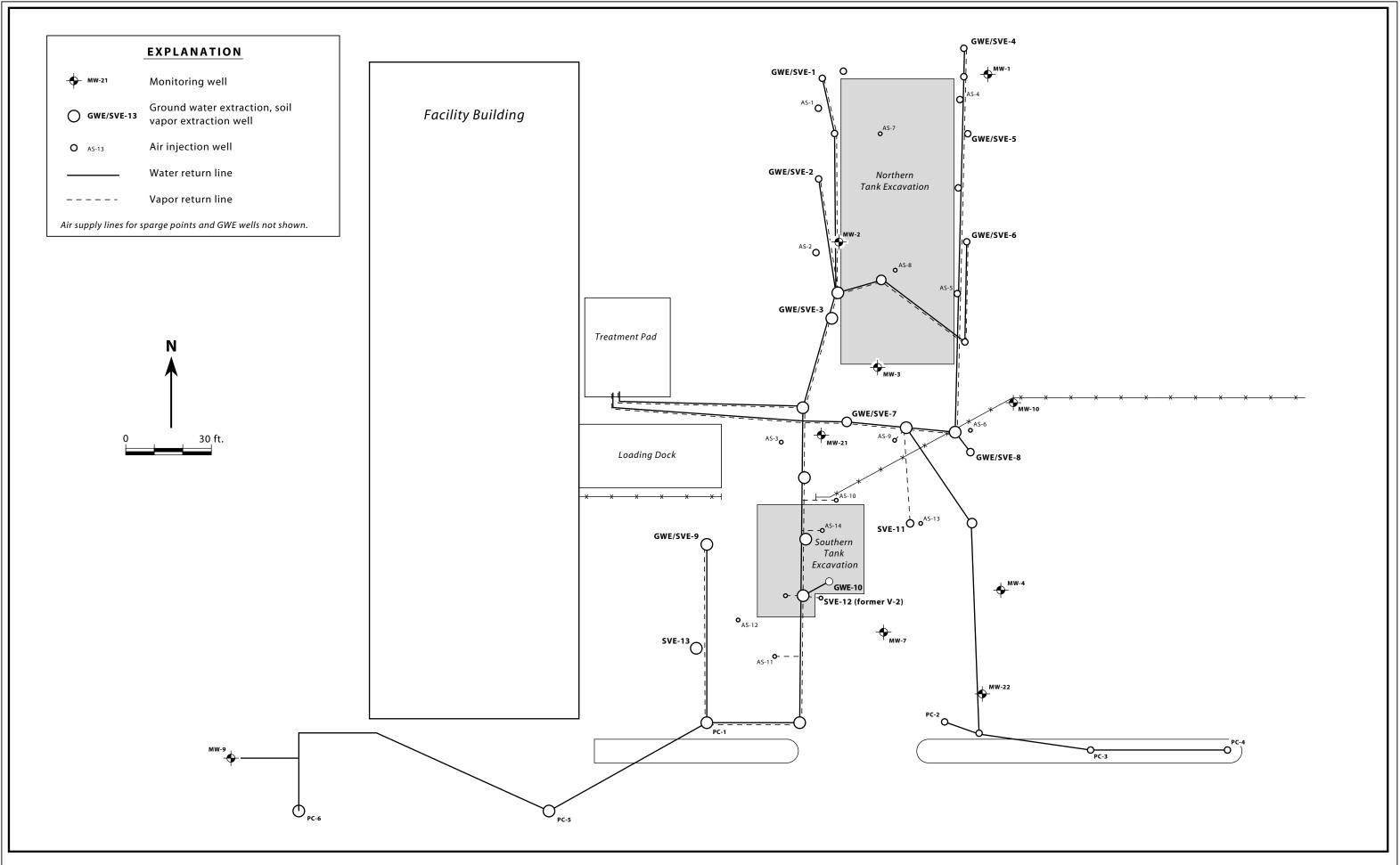


Figure 2. Monitoring Well Locations and Ground Water Elevation Contour Map - February 1, 2006 - Redwood Oil Bulk Plant, 455 Yolanda Avenue, Santa Rosa, California



Ground Water Extraction Well air filter/regulator & gauge assembly 1" water discharge hose to ground water pump air feed line \rightarrow : grout to surface slotted PVC well casing - 2' minimum bentonite plug (10' bgs) sand 20' of 0.020 slotted well casing - 10 -12" borehole 4" PVC well casing -Total depth 30'

Figure 4. Groundwater Extraction Well Diagram - Redwood Oil Bulk Plant - 455 Yolanda, Santa Rosa, California

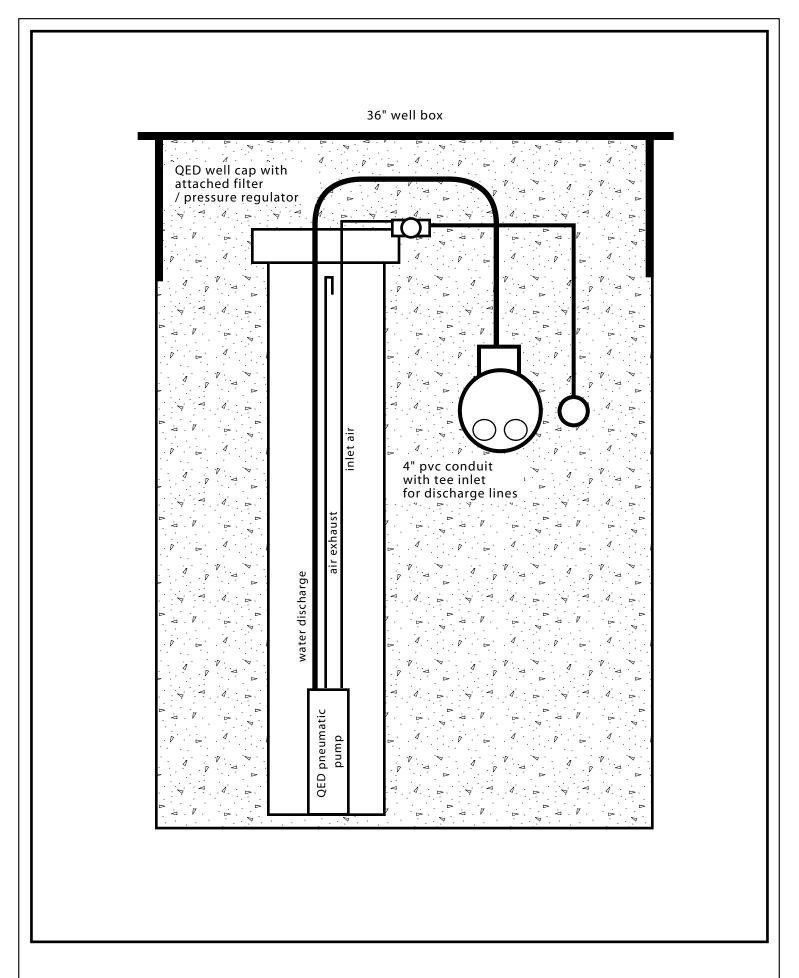


Figure 5. Groundwater Extraction Well Head Detail - Redwood Oil Bulk Plant - 455 Yolanda, Santa Rosa, California

Soil Vapor Extraction Well grout to surface slotted PVC well casing 2' minimum bentonite plug (5' bgs) sand 15' of 0.020 slotted well casing 10 -12" borehole 4" PVC well casing Total depth 20'

Figure 6. Soil Vapor Extraction Well Diagram - Redwood Oil Bulk Plant - 455 Yolanda, Santa Rosa, California

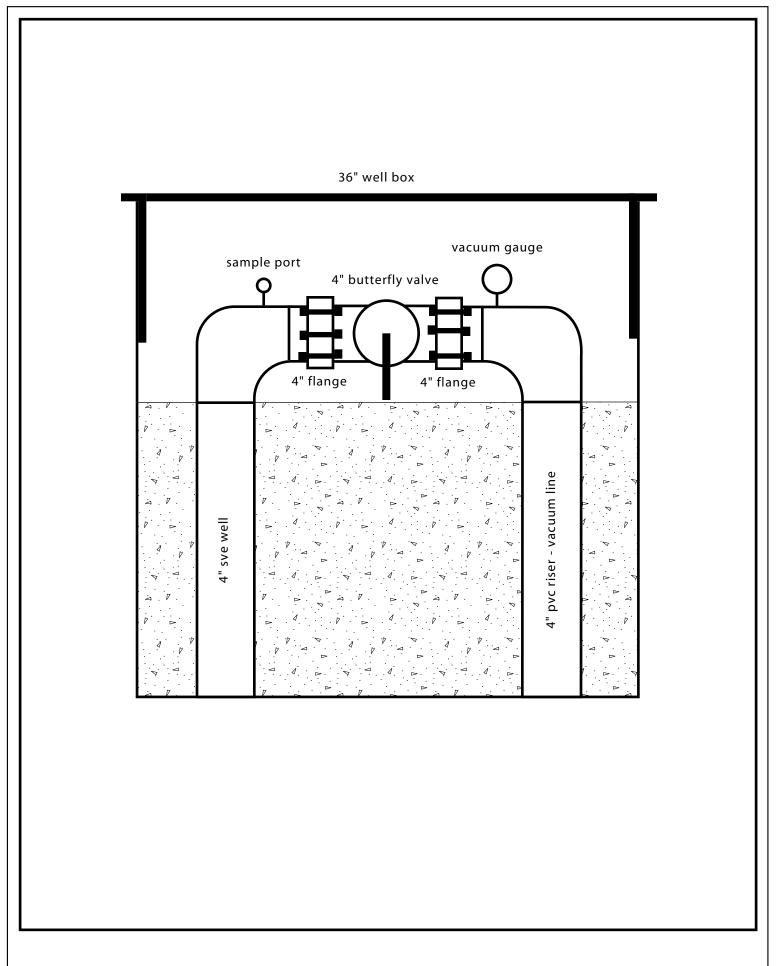


Figure 7. Soil Vapor Extraction Well Head Detail - Redwood Oil Bulk Plant - 455 Yolanda, Santa Rosa, California

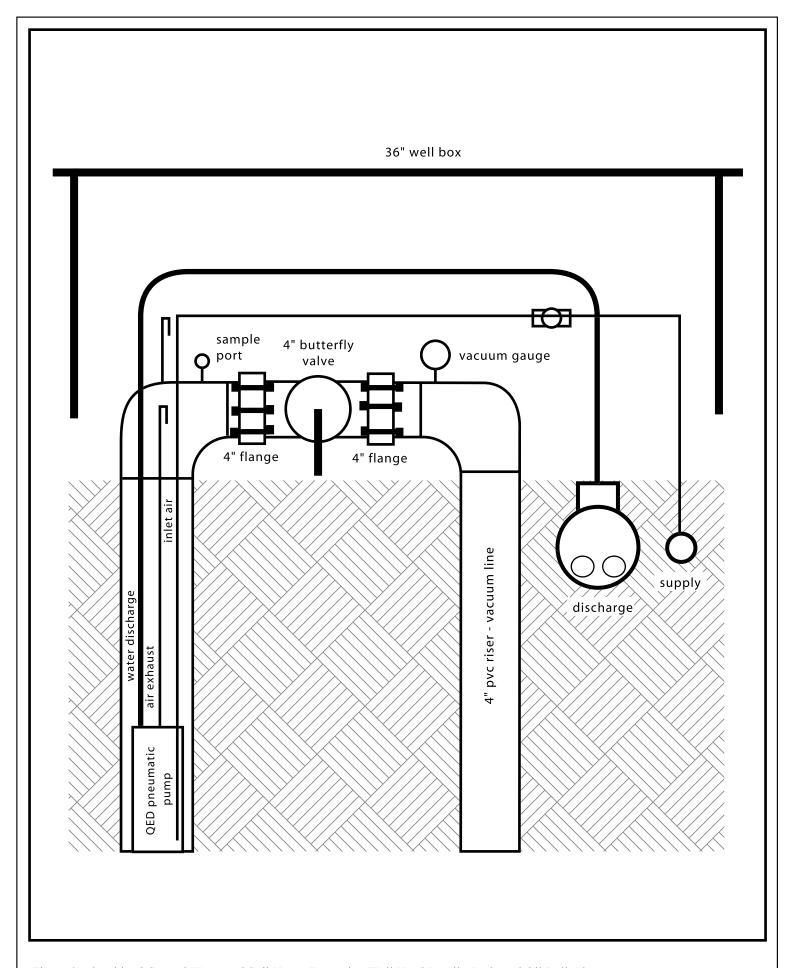


Figure 8. Combined Ground Water and Soil Vapor Extraction Well Head Detail - Redwood Oil Bulk Plant - 455 Yolanda, Santa Rosa, California

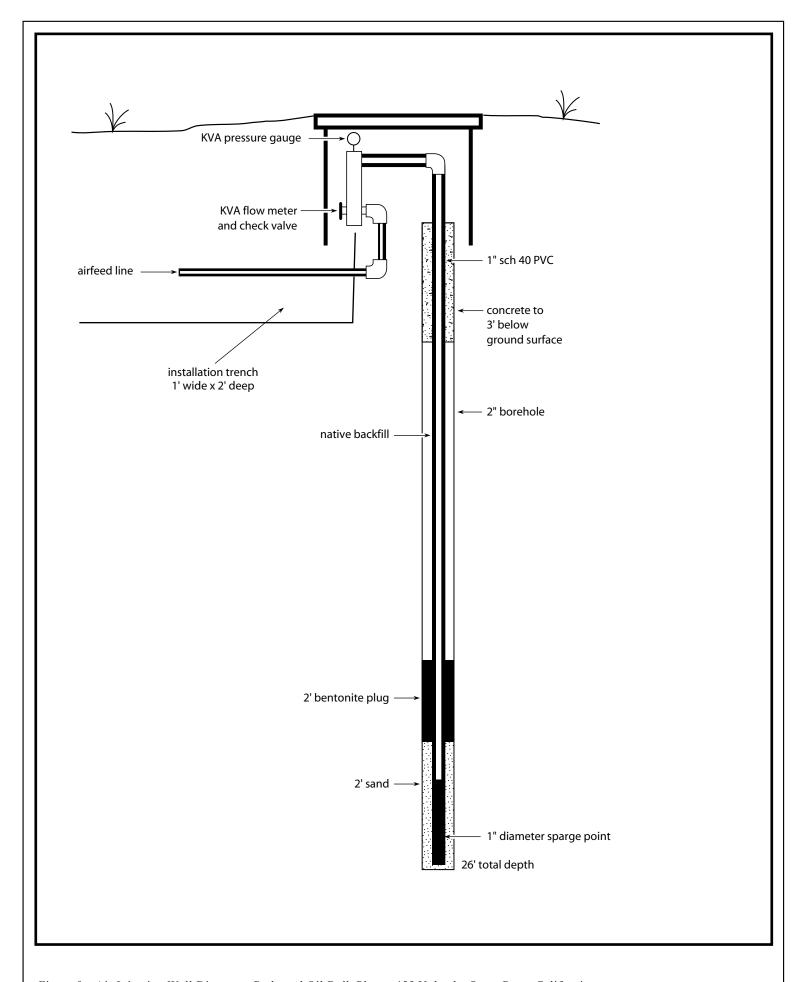


Figure 9. □Air Injection Well Diagram - Redwood Oil Bulk Plant - 455 Yolanda, Santa Rosa, California

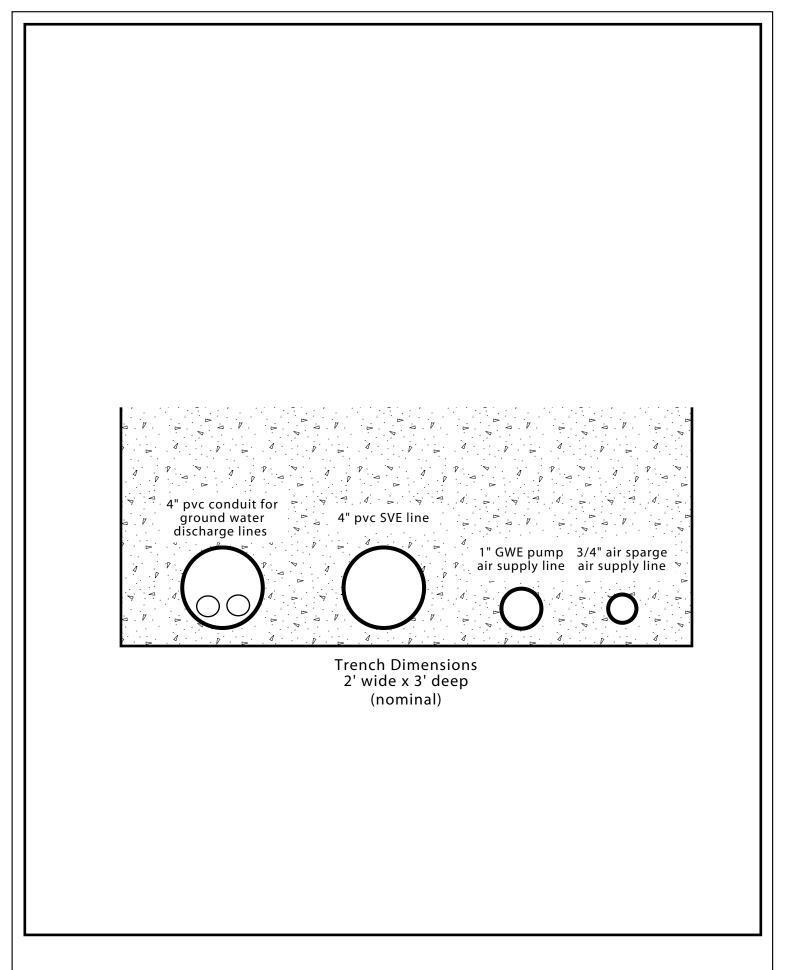
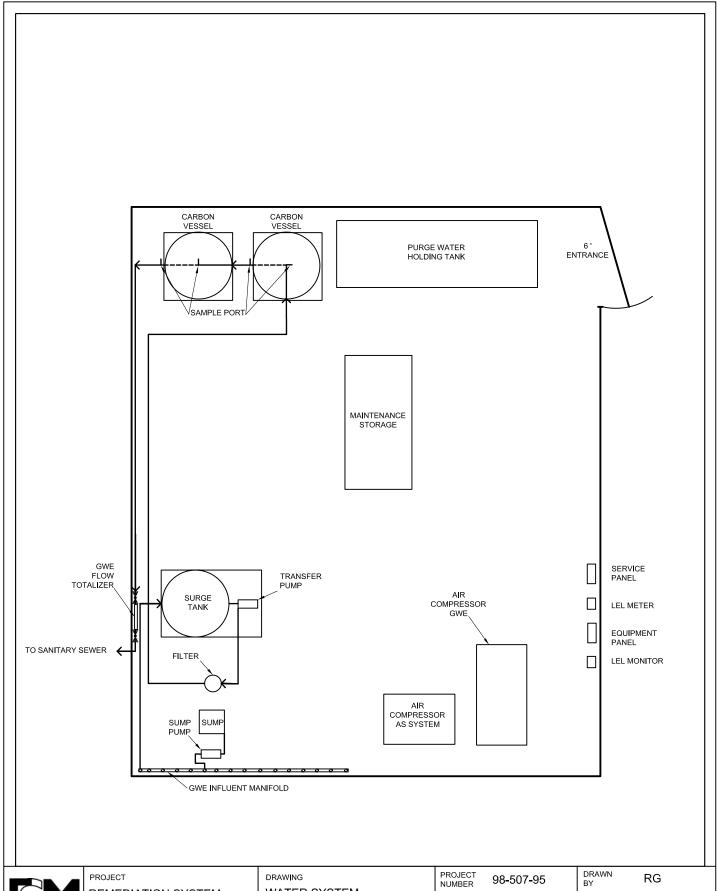


Figure 10. Pipe Trench Detail - Redwood Oil Bulk Plant - 455 Yolanda, Santa Rosa, California

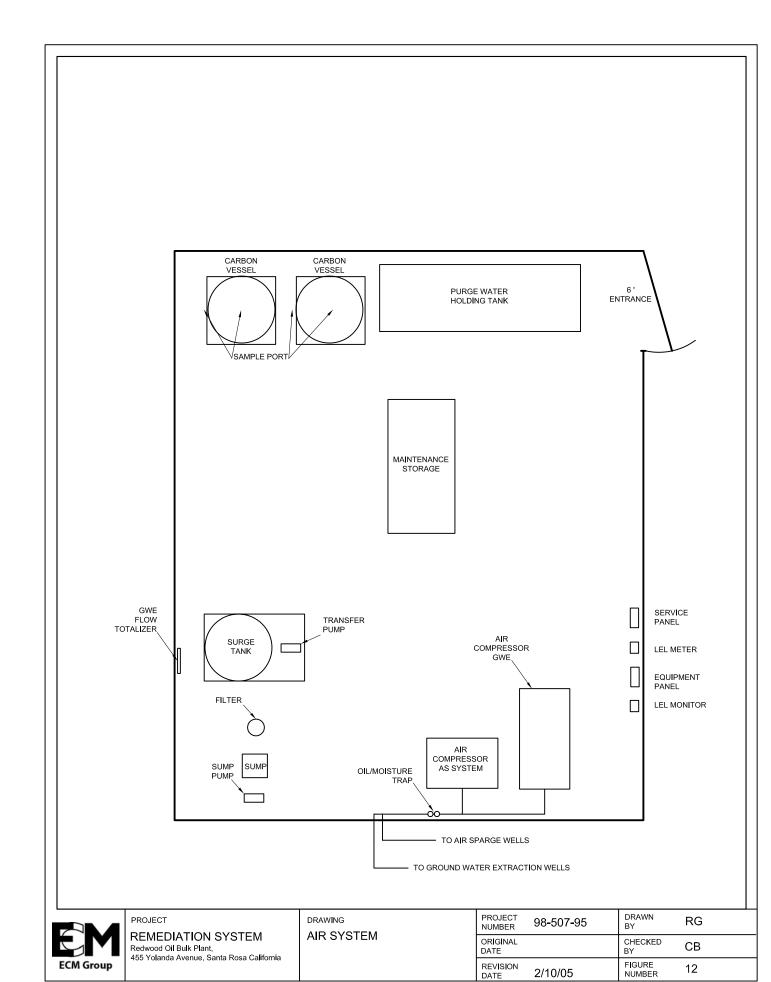




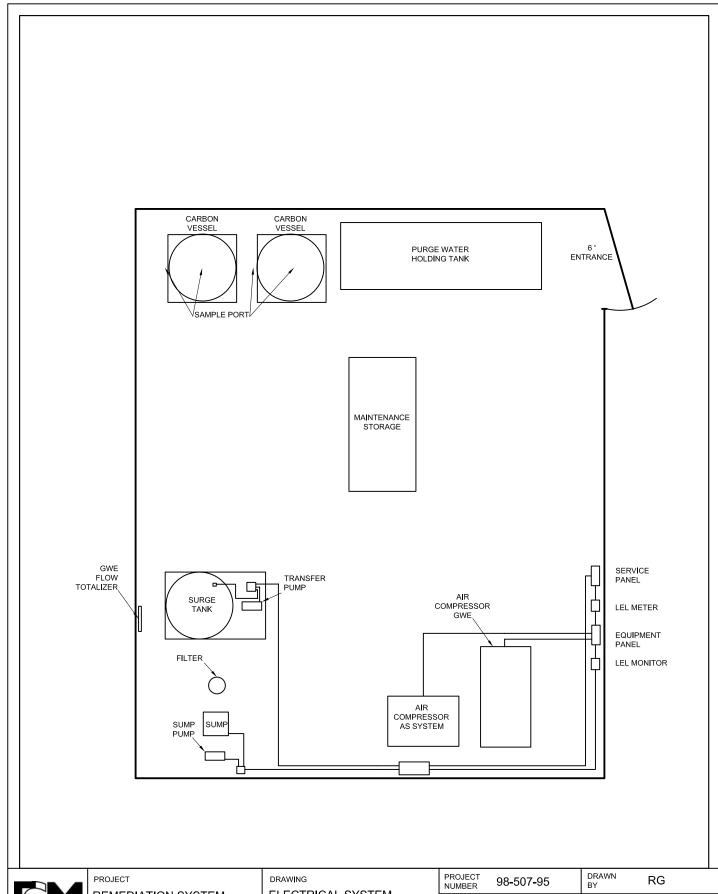
REMEDIATION SYSTEM

Redwood Oil Bulk Plant, 455 Yolanda Avenue, Santa Rosa California WATER SYSTEM

PROJECT NUMBER	98-507-95	DRAWN BY	RG
ORIGINAL DATE		CHECKED BY	СВ
REVISION DATE	2/24/05	FIGURE NUMBER	11









REMEDIATION SYSTEM Redwood Oil Bulk Plant, 455 Yolanda Avenue, Santa Rosa California

ELECTRICAL SYSTEM

PROJECT NUMBER	98-507-95	DRAWN BY	RG
ORIGINAL DATE		CHECKED BY	СВ
REVISION DATE	2/10/05	FIGURE NUMBER	13

APPENDIX B TABLES AND GRAPHS

Table 1. Vapor Extraction System Flow Calculations - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Influent Concentration (ppm)	Influent Concentration μg/l²	Removal Rate Kg/day³	
7/27/01	327	1,360	11.7	
8/1/01	214	890	7.7	
8/2/011	200.23	834.2	7.2	
8/10/01	256	1,064	9.2	
8/20/01	224	931	8.0	
9/12/011	52.51	222.1	1.9	
9/25/01	102	424	3.6	
10/5/01	118	490	4.2	
10/16/01	242	1,006	8.7	
11/2/01	120	499	4.3	
11/9/01	97	403	3.5	
12/12/011	162.6	681	5.8	
3/12/02 4	2.6	10.8	0.1	
3/29/02 5	321	1,334	11.4	
4/5/02	5.2	21.6	0.2	
4/26/02	0	0	0	
5/16/02	4.3	17.9	0.2	
5/24/02	6.5	27.0	0.2	

Table 1. Vapor Extraction System Flow Calculations - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Influent Concentration (ppm)	Influent Concentration μg/l²	Removal Rate Kg/day ³	
5/29/02	3.6	14.9	0.1	
6/7/02	4.3	17.9	0.2	
6/13/02	3.2	13.3	0.1	
6/28/02	2.3	9.6	0.1	
7/2/02	3.8	15.8	0.1	
7/19/02	148	615.2	5.2	
7/25/02	4.7	19.5	0.2	
8/1/02	205	852.2	7.2	
8/8/02	2.3	9.6	0.1	
8/14/02 1	121	504.4	4.3	
8/16/02	4.7	19.5	0.2	
9/9/02 6	29.9	124.3	1.1	
9/10/02	4.3	17.9	0.2	
9/16/02 7	58.6 / 9.9	243.6 / 41.2	2.1 / 0.35	
9/27/02 7	10 / 2.9	41.6 / 12.0	0.36 / 0.1	
10/2/02	1.8	7.5	0.1	
10/11/02	2.3	9.6	0.1	
10/18/02	2.2	9.1	0.1	

Table 1. Vapor Extraction System Flow Calculations - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Influent Concentration (ppm)	Influent Concentration μg/l²	Removal Rate Kg/day³	
10/20/02	2.0	8.3	0.1	
11/11/02	2.4	10.0	0.1	
11/22/02 1	4.4	18.3	0.2	
11/27/02 1	1.8	7.5	0.1	
12/4/02 1	1.2	5.0	<0.1	
12/13/02	1.4	5.8	<0.1	
12/20/02	0.6	2.5	<0.1	
12/27/02	1.2	5.0	<0.1	
1/3/03	1.9	7.9	0.1	
1/10/03	1.6	6.7	0.1	
1/16/03	0.6	2.5	<0.1	
1/29/03	0.6	2.5	<0.1	
2/7/03	0.9	3.7	<0.1	
2/11/03 8	2.5	10.4	0.1	
2/14/03 8	12.2	51	0.4	
2/28/03 8	1.6	6.7	<0.1	
3/4/03 8	10	42	0.4	
3/11/03 8	1.2	5	<0.1	
3/28/03	2.5	10.4	0.1	

Table 1. Vapor Extraction System Flow Calculations - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Date Influent Concentration (ppm)		Removal Rate Kg/day ³
6/6/03	0	0	<0.1
6/18/03	1	4	<0.1
6/27/03	0	0	<0.1
7/3/03	0	0	<0.1
7/11/03	0	0	<0.1
7/17/03	0	0	<0.1
7/25/03	0	0	<0.1
7/31/03	0	0	<0.1
8/8/03	0	0	<0.1
8/14/03	0	0	<0.1
8/19/03	0	0	<0.1

Explanation:

ppmv = parts per million (volume)

 $\mu g/l$ = micrograms/liter kg/day = kilograms/day

Table 1. Vapor Extraction System Flow Calculations - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

NOTES:

¹ ppm and ug/l reported from samples submitted to Air Toxics, Ltd, Folsom, CA.

 $^{^2\}mu$ g/l values calculated using the following equation: μ g/l = ppmv x molecular weight/24.055. Assumed molecular weight of gasoline = 100. Equation provided by Air Toxics Analytical Laboratory

³ kg/day calculations are based on system flow of 210 SCFM (standard cubic feet per minute).

⁴ Thermal oxidation unit inoperative from 12/31/01 through 2/21/02 due to mechanical failure.

⁵ Thermal oxidation unit inoperative from 3/15/02 through 3/19/02 due to mechanical failure.

⁶ SVE system inoperative between 8/16/02 and 9/9/02 in order to determine whether temporary shutdown would improve SVE system performance.

⁷ PPMV reading taken with Flame Ionization Detector (first measurement shown) and also with Photo Ionization Detector (second measurement taken).

⁸ System modified; subsequent to 2/11/03, only SVE wells 3, 5, and 7 operative.

Table 2. Flow Measurements and Vapor Concentration in Vapor Extraction Wells - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Well I.D. #	Date	Flow Velocity ft/minute	Flow Rate (SCFM) ¹	Vapor Concentration (ppmv)	Vapor Concentration μg/l ²	TPH(G) Removal Rate grams/day
GWE/SVE-1	10/16/01	2,000	43.6	68	283	503
	11/2/01	2,250	49.1	15	62	123
	12/12/01	3,200	69.8	3	12	34
	8/1/02	2,200	48	5	21	41
	9/27/02	3,400	74.2	4.9	20	60
	10/11/02	3,600	78.5	4.3	18	58
	2/11/03	4,500	98.2	3.8	16	64
GWE/SVE-2	10/16/01	200	4.4	615	2,557	459
	11/2/01	250	5.4	223	927	204
	12/12/01	75	1.6	214	890	58
	8/1/02	150	3.3	320	1,330	179
	9/27/02	300	6.5	16.9	70	18.5
	10/11/02	350	7.6	12.2	51	16
	2/11/03	150	3.3	51.6	216	29
	2/14/03	250	5.5	50	209	47
GWE/SVE-3	10/16/01	1,200	26.2	391	1,625	1,736
	11/2/01	1,250	27	92	382	420
	12/12/01	650	14	119	495	282

Table 2. Flow Measurements and Vapor Concentration in Vapor Extraction Wells - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Well I.D. #	Date	Flow Velocity ft/minute	Flow Rate (SCFM) ¹	Vapor Concentration (ppmv)	Vapor Concentration μg/l ²	TPH(G) Removal Rate grams/day
GWE/SVE-3	8/1/02	1,500	32.7	278	1,156	1,540
	9/27/02	1,700	37.1	5.6	23	35
	10/11/02	2,000	43.6	4.3	18	32
	2/11/03	400	8.7	55.3	231	82
	2/14/03	2,000	43.6	17.2	72	128
GWE/SVE-4	10/16/01	90	2.0	16	67	5.5
	11/2/01	100	2.2	17	71	6
	12/12/01	50	1.1	2	8	0.4
	8/1/02	0	0	54	224	0
	9/27/02	0	0	0	0	0
	10/11/02	0	0	0	0	0
	2/11/03	3,000	65.4	7.6	32	85
GWE/SVE-5	10/16/01	550	12.0	12	50	24
	11/2/01	175	3.8	3	12	2
	12/12/01	150	3.2	67	278	36
	8/1/02	2,000	43.6	0	0	0
	9/27/02	1,400	30.5	0	0	0
	10/11/02	1,500	32.7	0	0	0

Table 2. Flow Measurements and Vapor Concentration in Vapor Extraction Wells - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Well I.D. #	Date	Flow Velocity ft/minute	Flow Rate (SCFM) ¹	Vapor Concentration (ppmv)	Vapor Concentration μg/l ²	TPH(G) Removal Rate grams/day
GWE/SVE-6	2/11/03	2,000	43.6	5.2	22	39
	10/16/01	3,300	72.0	165	686	2,013
	11/2/01	2,750	59.5	63	262	635
	12/12/01	2,600	56	169	702	1,602
	8/1/02	310	6.8	0	0	0
	9/27/02	2,800	61.1	0	0	0
	10/11/02	3,200	69.8	0	0	0
	2/11/03	3,000	65.4	3.5	15	40
GWE/SVE-7	10/16/01	1,550	33.8	254	1,056	1,455
	11/2/01	300	6.5	63	262	69
	12/12/01	200	4.3	122	507	89
	8/1/02	3,100	67.6	36.8	153	421
	9/27/02	3,400	74.2	23	96	290
	10/11/02	3,400	74.2	2.3	10	30
	2/11/03	1,500	32.7	6.9	29	39
	2/14/03	6,000	130.8	10.3	43	229
GWE/SVE-8	10/16/01	3,500	76.4	288	1,198	3,731
	11/2/01	550	11.9	153	636	308

Table 2. Flow Measurements and Vapor Concentration in Vapor Extraction Wells - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Well I.D. #	Date	Flow Velocity ft/minute	Flow Rate (SCFM) ¹	Vapor Concentration (ppmv)	Vapor Concentration μg/l ²	TPH(G) Removal Rate grams/day
GWE/SVE-9	12/12/01	2,500	54	122	507	1,116
	8/1/02	4,500	98.2	0	0	0
	9/27/02	4,800	104.7	0	0	0
	10/11/02	4,200	91.6	0.3	1	4
	2/11/03	3,500	76.4	3.2	13	40
GWE-10	10/16/01	290	6.3	370	1,538	395
	11/2/01	100	2.2	37	154	14
	12/12/01	300	6.5	12	50	13
	8/1/02	5,500	120.0	89.4	372	1,819
	9/27/02					
	10/11/02	450	9.8	1.6	7	3
	2/11/03	500	10.9	0.8	3	1

Table 2. Flow Measurements and Vapor Concentration in Vapor Extraction Wells - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Well I.D. #	Date	Flow Velocity ft/minute	Flow Rate (SCFM) ¹	Vapor Concentration (ppmv)	Vapor Concentration μg/l ²	TPH(G) Removal Rate grams/day
SVE-11	10/16/01	2,250	49.0	118	490	979
	11/2/01	425	9.2	36	150	56
	12/12/01	16	0.3	8	33	0.4
	8/1/02	2,600	56.7	0	0	0
	9/27/02	2,800	61.1	0	0	0
	10/11/02	3,000	65.4	0	0	0
	2/11/03	6,000	130.9	1.1	5	27
SVE-12	10/16/01	1,750	38.2	93	387	600
	11/2/01	350	7.6	18	75	23
	12/12/01	350	7.6	10	42	13
	8/1/02	2,900	63.3	5.2	22	57
	9/27/02	2,700	59.0	0	0	0
	10/11/02	3,500	76.3	1.6	7	22
	2/11/03	2,500	54.5	0.8	3	7

Table 2. Flow Measurements and Vapor Concentration in Vapor Extraction Wells - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Well I.D. #	Date	Flow Velocity ft/minute	Flow Rate (SCFM) ¹	Vapor Concentration (ppmv)	Vapor Concentration μg/l ²	TPH(G) Removal Rate grams/day
SVE-13	10/16/01	75	1.6	499	2,074	135
	11/2/01	100	2.2	119	495	44
	12/12/01	175	3.8	32	133	21
	8/1/02	65	1.4	5	21	1.2
	9/27/02 ³					
	10/11/02 ³					
	2/11/03	75	1.6	1.1	5	<1

Explanation:

SCFM = Standard Cubic Feet per Minute

ppmv = parts per million (volume)

 $\mu g/l$ = micrograms per liter

NOTES:

¹ Flow measured in 2" PVC vapor conduit.

 $^{^{2}}$ µg/l values calculated using the floowing equation: µg/l = ppmv x molecular weight/24.055. Assumed molecular weight of gasoline = 100.

³ Well-box obstructed by vehicle on day of measurement

Table 3. Groundwater Extraction System Totalizer Readings - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Totalizer Reading (gal)	Total Discharged (gallons)	Average Flow Rate Since Previous Reading (gal/min)
5/16/01	333,054	333,054	
5/17/01	334,485	334,485	1.0
5/18/01	337,192	337,192	1.9
5/21/01	341,448	341,448	1.0
5/23/01	345,424	345,424	1.4
6/18/01	379,840	379,840	0.9
7/3/01	400,300	400,300	0.9
7/27/01	457,596	457,596	1.7
8/1/01	467,182	467,182	1.3
8/10/01	481,662	481,662	1.1
8/17/01	591,601	495,282 2	11
8/20/01	592,000	492,282	3
8/21/01	592,585	492,867	0.5
8/28/01	602,096	502,378	0.9
9/18/01	627,180	527,462	0.8
9/27/01	638,418	538,700	0.9
10/5/01	648,212	548,494	0.9
10/11/01	655,388	555,670	1.1
10/22/01	667,676	567,958	0.8
11/2/01	678,091	578,373	0.6
11/5/01	681,100 / 0 ⁴	581,382	0.7
11/9/01	6,898	588,280	1.2
11/14/01	14,379	595,761	1.0
11/20/01	23,124	604,506	1.0
12/4/01	54,225	635,607	1.6
12/10/01	72,000	653,382	2.1

Table 3. Groundwater Extraction System Totalizer Readings - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Totalizer Reading (gal)	Total Discharged (gallons)	Average Flow Rate Since Previous Reading (gal/min)
12/17/01	93,341	674,723	2.1
12/26/01	127,051	708,433	2.6
12/31/01	149,385	730,767	3.1
1/2/02	163,000	744,382	4.7
1/11/02	166,771	748,153	5
1/15/02	190,661	772,043	4.3
1/21/02	218,788	800,170	3.1
1/29/02	254,008	835,390	3.1
2/7/02	291,624	873,006	2.9
2/14/02	322,948	904,330	3.1
2/21/02	350,361	931,743	2.7
2/27/02	381,973	963,355	3.6
3/4/02	404,348	982,730	2.7
3/11/02	436,581	1,014,963	3.2
3/19/02	473,249	1,051,631	3.2
3/29/02	522,327	1,100,709	3.4
4/5/02	554,720	1,133,102	3.2
4/19/02	607,648	1,186,030	2.6
4/26/02	705,092	1,283,474	9.7
5/2/02	729,422	1,307,804	2.8
5/6/02	764,815	1,343,197	6.1
5/8/02	771,814	1,350,196	2.4
5/16/02	799,857	1,378,239	2.4
5/21/02	817,770	1,396,152	2.5
5/29/02	848,015	1,426,397	2.6
6/7/02	881,299	1,459,681	2.6

Table 3. Groundwater Extraction System Totalizer Readings - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Totalizer Reading (gal)	Total Discharged (gallons)	Average Flow Rate Since Previous Reading (gal/min)
6/13/02	881,880	1,460,262	6
6/21/02	912,812	1,491,194	2.7
7/2/02	951,716	1,530,098	2.3
7/11/02	969,631	1,540,013	1.4
7/19/02	995,237	1,565,619	2.2
7/25/02	1,010,942	1,581,324	1.8
8/1/02	1,028,370	1,616,180	1.7
8/8/02	1,044,852	1,632,662	1.6
8/16/02	1,055,510	1,643,314	0.9
8/21/02	1,066,819	1,654,623	1.6
8/29/02	1,082,857	1,670,661	1.4
9/5/02	1,096,024	1,683,828	1.3
9/13/02	1,112,062	1,699,866	1.4
10/2/02	1,145,714	1,733,518	1.2
10/11/02	1,172,292	1,760,096	2.1
10/18/02	1,177,193	1,764,997	7
10/30/02	10,352	1,775,193	
11/1/02	13,802	1,778,799	2.4
11/5/02	19,338	1,784,335	1.0
11/11/02	25,831	1,790,828	0.8
11/22/02	54,157	1,819,154	1.8
12/4/02	72,416	1,837,413	1.1
12/13/02	89,375	1,854,372	1.3
12/20/02	134,082	1,899,079	4.4
12/30/02	190,593	1,955,590	3.9
1/3/03	215,750	1,980,747	4.4

Table 3. Groundwater Extraction System Totalizer Readings - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Totalizer Reading (gal)	Total Discharged (gallons)	Average Flow Rate Since Previous Reading (gal/min)
1/10/03	248,269	2,013,266	3.2
1/16/03	279,443	2,044,440	3.6
1/29/03	345,364	2,110,361	3.5
2/7/03	390,854	2,155,851	3.5
2/11/03	408,237	2,173,234	3.0
2/13/03	415,355	2,180,352	2.5
2/18/03	438,355	203,352	3.2
2/28/03	482,319	2,247,316	3.1
3/11/03	529,021	2,294,018	2.9
3/18/03	559,049	2,324,046	3.0
3/28/03	603,783	2,368,780	3.1
4/10/03	664,796	2,429,793	3.2
4/18/03	702,565	2,467,562	3.3
4/25/03	737,250	2,502,247	3.4
5/2/03	774,884	2,539,881	3.7
5/14/03	844,660	2,609,657	4.0
5/22/03	890,318	2,655,315	4.0
5/29/03	910,691	2,675,688	2.0
6/6/03	953,142	2,718,139	3.7
6/17/03	1,012,384	2,777,381	3.7
6/20/03	1,028,586	2,793,583	3.8
6/27/03	1,075,339	2,840,336	4.6
7/3/03	1,089,455	2,854,452	1.6
7/11/03	1,098,458	2,863,455	0.8
7/17/03	1,157,284	2,922,281	6.8
7/25/03	1,196,119	2,961,116	3.4

Table 3. Groundwater Extraction System Totalizer Readings - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Totalizer Reading (gal)	Total Discharged (gallons)	Average Flow Rate Since Previous Reading (gal/min)
7/30/03	1,217,345	2,982,342	2.9
8/8/03	1,277,728	3,042,779	4.7
8/14/03	1,306,709	3,071,706	3.3
8/19/03	1,322,407	3,087,404	2.2
8/29/03	1,332,846	3,097,843	0.7
9/5/03	1,347,945	3,112,942	1.5
9/12/03	1,351,475	3,116,742	0.4
9/26/03	1,370,697	3,135,694	0.9
10/3/03	1,379,064	3,144,061	0.8
10/10/03	1,386,120	3,151,117	0.7
10/17/03	1,391,959	3,156,956	0.6
10/24/03	1,397,544	3,162,541	0.6
10/31/03	1,403,823	3,168,820	0.6
11/7/03	1,410,468	3,175,465	0.7
11/18/03	1,412,090	3,177,087	0.1
12/5/03	1,425,363	3,190,360	0.5
12/22/03	1,436,251	3,201,248	0.4
12/30/03	1,439,644	3,204,641	0.3
1/7/04	1,440,581	3,205,578	0.1
1/14/04	1,445,512	3,210,509	0.5
1/29/04	1,489,433	3,254,430	2.0
2/13/04	1,516,076	3,281,073	1.2
2/27/04	1,544,114	3,309,111	1.4
3/3/04	1,554,424	3,319,421	1.4
3/10/04	1,568,474	3,333,471	1.4
3/16/04	1,578,867	3,343,864	1.2

Table 3. Groundwater Extraction System Totalizer Readings - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Totalizer Reading (gal)	Total Discharged (gallons)	Average Flow Rate Since Previous Reading (gal/min)
3/25/04	1,595,581	3,360,578	1.3
3/31/04	1,597,170	3,362,167	0.2
4/9/04	1,611,753	3,376,750	1.1
4/16/04	1,621,268	3,386,265	0.9
4/23/04	1,629,798	3,394,795	0.8
5/3/04	1,636,948	3,401,945	0.4
5/4/04	1,636,997	3,401,994	0 8
5/10/04	1,643,162	3,408,159	0.7
5/21/04	1,653,412	3,418,409	0.6
5/28/04	1,659,764	3,424,761	0.6
6/4/04	1,665,917	3,430,914	0.6
6/14/04	1,668,218	3,433,215	0.2
6/22/04	1,670,654	3,435,651	0.2
7/2/04	1,677,769	3,442,766	0.5
7/16/04	1,688,358	3,453,355	0.5
7/19/04	1,693,629	3,458,626	1.3
7/23/04	1,703,653	3,468,650	1.7
7/30/04	1,714,343	3,479,340	1.1
8/6/04	1,721,680	3,486,677	0.7
8/13/04	1,721,680	3,493,733	0.79
8/20/04	1,721,804	3,500,789	0.79
8/26/04	1,721,804	3,506,837	0.79
8/27/04	1,722,930	3,507,963	0.8
9/1/04	1,727,430	3,509,463	0.6
9/7/04	1,732,954	3,517,987	0.6
9/10/04	1,735,768	3,520,801	0.6

Table 3. Groundwater Extraction System Totalizer Readings - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Totalizer Reading (gal)	Total Discharged (gallons)	Average Flow Rate Since Previous Reading (gal/min)
9/17/04	1,741,255	3,526,288	0.6
9/24/04	1,744,090	3,529,123	0.3
10/1/04	1,744,238	3,529,271	0
10/4/04	1,744,264	3,529,297	010
10/5/04	1,746,297	3,531,330	1.4
10/8/04	1,749,826	3,534,859	0.8
10/11/04	1,752,815	3,537,848	0.7
10/22/04	1,754,363	3,563,352	1.611
10/29/04	1,756,580	3,579,480	1.611
11/4/04	622	3,593,416	1.6 ^{11, 12}
11/5/04	2,534	3,595,328	1.4
11/12/04	16,804	3,609,598	1.4
12/6/04	64,735	3,657,529	1.4
12/17/04	87,937	3,680,731	2.0
12/23/04	106,802	3,699,596	1.4
12/30/04	130,647	3,723,441	2.4
1/5/05	156,935	3,749,729	3.13
1/6/05	163,038	3,755,832	3.39
1/14/05	188,997	3,781,791	2.27
1/28/05	206,004	3,798,798	0.84
2/7/05	257,671	3,850,465	3.61
2/14/05	275,063	3,867,857	1.70
3/4/05	347,248	3,940,042	2.78
3/10/05	378,996	3,971,790	3.73
3/21/05	425,475	4,018,269	2.96
4/1/05	471,716	4,064,510	2.90

Table 3. Groundwater Extraction System Totalizer Readings - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Totalizer Reading (gal)	Total Discharged (gallons)	Average Flow Rate Since Previous Reading (gal/min)
4/6/05	486,288	4,079,082	2.02
4/8/05	497,476	4,090,270	3.88
4/15/05	527,243	4,120,037	2.95
4/22/05	553,539	4,146,333	2.61
5/2/05	602,308	4,195,102	3.39
5/6/05	613,012	4,205,806	1.86
5/16/05	651,533	4,244,327	2.50
7/5/05	651,533	4,244,327	0.00
7/22/05	739,986	4,332,780	3.61
7/29/05	773,192	4,365,986	3.29
8/5/05	801,337	4,394,131	2.79
8/12/05	827,552	4,420,346	2.60
8/19/05	852,397	4,445,191	2.46
8/21/05	855,601	4,448,395	1.11
8/26/05	875,312	4,468,106	2.73
9/2/05	892,192	4,484,986	1.67
9/9/05	908,580	4,501,374	1.62
9/19/05	923,094	4,515,888	1.01
9/23/05	936,118	4,528,912	2.26
10/3/05	953,125	4,545,919	0.9813
10/7/05	953,304	4,546,098	0.00
10/14/05	953,994	4,546,788	0.00
10/21/05	953,994	4,546,788	0.00
10/28/05	972,784	4,565,578	1.86
11/4/05	987,065	4,579,859	1.42
11/14/05	1,012,997	4,605,791	1.80

Table 3. Groundwater Extraction System Totalizer Readings - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Date	Totalizer Reading (gal)	Total Discharged (gallons)	Average Flow Rate Since Previous Reading (gal/min)
12/2/05	1,053,358	4,646,152	1.56
12/9/05	1,082,403	4,675,197	2.88
12/16/05	1,108,495	4,701,289	2.59
12/23/05	1,140,592	4,733,386	3.18

NOTES:

¹ 8/17/01 meter reading is incorrect due to system malfunction.

² Discharge for period between 8/17/01 and 8/20/01 is calculated at 1 gallon per minute.

³ System inoperative between 8/17/01 and 8/20/01.

⁴ New flow totalizer installed 11/5/01 at 1:00 PM.

 $^{^{5}}$ System inoperative between 1/02/02 and 1/10/02 for carbon vessel recharge and carbon vessel repair.

⁶ System inoperative between 6/7/02 and 6/13/02 due to compressor failure.

⁷ Totalizer malfunctioned and reset to zero on 10/18/02.

⁸ System inoperative between 5/3/04 and 5/4/04 due to compressor malfunction.

⁹ System operating but totalizer inoperative between 8/6/04 and 8/26/04. Average flow rate for the quarter was used to estimate actual flow rate.

¹⁰ System inoperative between 10/1/04 and 10/4/04.

¹¹ System operating but totalizer inoperative. Average flow rate for the quarter was used to estimate actual flow rate.

¹² New flow totalizer installed 11/4/04. Readings begin at 622 gallons.

¹³ System inoperative between 9/30/05 and 10/21/05 for compressor replacement.

Table 4. Influent Analytical Results - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Sample ID	Date	TPPH(G) TPH(D)		Benzene	Toluene	Ethyl Benzene	Xylenes	МТВЕ
		<			PPB			->
Influent	2/2/011			310	56	84	130	
Influent	2/8/011	9,300	<50					38,000
Influent	5/17/01	6,500	<50	1.3	3.2	2.2	7.3	
Influent	5/21/01	2,500	210	<12.5	<12.5	<12.5	<12.5	4,200 2
Influent A	8/13/01	12,000	1900	490	400	95	1000	8,200 3
Influent B	8/13/01	1,500	1200	130	7.7	5.1	55	1,900 4
Influent A	8/23/01	1,600	1400	170	6.1	4.1	26	2,200 5
Influent B	8/23/01	2,000	1800	72	18	<2.5	83	6,500 6
Influent A	11/20/01	1,900	720	48	16	<5	93	4,500 7
Influent B	11/20/01	2,700	1,500	52	53	<25	140	3,700 8
Influent A	2/14/02	570	1,800	50	6.1	28	78	310 9
Influent B	2/14/02	74	110	1.4	7.9	< 0.50	6.9	3,600 10
Influent A	5/6/02	84	160	4.9	0.58	1.6	3.9	690 ²
Influent B	5/6/02	940	1,300	<5	220	14	111	1,600 ²
Influent A	8/8/02	530	300	11	7.6	2.5	18	420 ²
Influent B	8/8/02	460	970	5.9	3.6	1.1	10	690 ²

Table 4. Influent Analytical Results - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Sample ID	Date	TPPH(G)	TPH(D)	Benzene	Toluene	Ethyl Benzene	Xylenes	МТВЕ
		<			PPB			->
Influent A	11/05/02	730	380	<0.5	<0.5	<0.5	<1	3,700 11
Influent B	11/05/02	84	580	7.8	4.4	<2.5	23	780 ²
Influent A	2/18/03	360	240	5.6	<0.5	0.71	1.5	4,300 ²
Influent B	2/18/03	1,300	<63	<2.5	<2.5	<2.5	<2.5	1,900 ²
Influent A	5/14/03	120	530	1.4	<1	<1	<1	1,100 12
Influent B	5/14/03	440	200	4.9	2.2	1.3	8.5	1,200 ²
Influent A	8/14/03	220	230	2.0	< 0.5	0.69	3.1	360 ¹³
Influent B	8/14/03	210	330	6.6	< 0.5	0.62	<1	280 13
Influent	12/22/03	160	630	13	<0.5	<0.5	1.3	110 14
Influent	3/16/04	240	250	7.0	0.52	<1	4.5	390
Influent	5/11/04	540	<50	<5	<5	<5	<5	760
Influent	7/22/04	410	<50	8.4	<5	<5	<5	600
Influent	10/4/04	200	1,800	30	<2.5	<2.5	<5	190
Influent	1/5/05	<50	<50 ¹⁵	10	<2.5	<2.5	6.7	530
Influent	4/6/05	260	190	<2.5	<2.5	<2.5	<2.5	370
Influent	7/6/05	270	350	12	<2.5	<2.5	2.7	360
Influent	10/3/05	<250	75	<2.5	<2.5	<2.5	<2.5	84

Table 4. Influent Analytical Results - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

Explanation:

TPPH(G) =total purgeable petroleum hydrocarbons as gasoline TPH(D) =total purgeable petroleum hydrocarbons as diesel

MTBE = methyl tertiary butyl ether

part per billion ppb TBA tertiary butanol

TAME = tertiary amyl methyl ether

NOTES:

Samples dated 2/2/01 and 2/8/01 collected by Earth Engineers. 2/8/01 sample was analyzed for VOCs by EPA Method 8260. Consult analytical laboratory results for other analytes detected.

² Other oxygenates not detected.

³ TAME and TBA also detected at 190 and 2,600 ppb respectively. Other oxygenates not detected.

⁴ TBA also detected at 950 ppb. Other oxygenates not detected.

⁵ TBA also detected at 810 ppb. Other oxygenates not detected.

⁶ TBA also detected at 1,600 ppb. Other oxygenates not detected.

⁷ TBA also detected at 640 ppb. Other oxygenates not detected.

⁸ TBA also detected at 810 ppb. Other oxygenates not detected.

⁹ TAME and 1,2 Dichloroethane also detected at 5.7 and 2.8 ppb respectively. Other oxygenates not detected.

¹⁰ TAME also detected at 66 ppb. Other oxygenates not detected.

¹¹TBA also detected at 760 ppb. Other oxygenates not detected.

¹² TBA also detected at 760 ppb. Other oxygenates not detected.

13 TBA detected in Influent A and Influent B at 80 and 93 ppb respectively. Other oxygenates not detected.

¹⁴ TBA detected in Influent sample at 44 ppb. Other oxygenates not detected.

¹⁵ 430 ppb light Oil is in the sample (C12-C36. No Diesel pattern.

Table 5: Water Levels in Pumping Wells - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, CA

Date	PMCS #1	PMCS #2	PMCS #3	PMCS #4	PMCS #5	PMCS #6	GWE/ SVE #1	GWE/ SVE #2	GWE/ SVE #3	GWE/ SVE #4	GWE/ SVE #5	GWE/ SVE #6	GWE/ SVE #7	GWE/S VE #8	GWE/S VE #9	GWE #10
		<>												>		
2/15/01	33.9	28.2	26.3	26.1	26.0	25.35	-	-	-	-	-	-	-	-	-	-
5/16/01	15.16	15.31	16.05	16.24	14.72	13.32	-	-	-	-	-	-	-	-	-	-
5/17/01	-	23.53	26.15	22.75	24.88	24.87	-	-	-	-	-	-	-	-	-	-
5/21/01	-	23.52	26.15	24.82	24.91	24.90	-	-	-	-	-	-	-	-	-	-
6/18/01	-	23.5	26.12	24.83	24.92	24.90	-	-	-	-	-	-	-	-	-	-
7/5/01	-	-	-	-	-	-	24.15	24.50	20.55	24.01	24.21	23.48	25.22	23.19	22.84	15.51
7/27/01	24.62	23.53	26.08	24.80	24.88	24.87	24.08	29.40	20.42	23.90	24.10	23.41	25.09	23.10	23.01	15.45
8/14/01	-	23.51	26.11	22.89	24.89	24.90	22.30	28.75	22.2	23.81	-	-	-	-	-	-
8/17/01	24.80	23.62	26.12	24.79	24.90	24.92	-	-	-	-	-	-	-	-	-	-
9/18/01	-	23.49	26.12	24.81	24.92	24.92	23.96	29.51	20.53	23.90	24.10	23.46	25.11	23.18	23.01	15.81
9/27/01	-	23.51	26.10	24.10	25.42	25.40	-	-	-	-	-	-	-	-	-	-
10/11/01	-	-	-	-	-	-	24.02	29.41	20.52	23.90	24.12	23.46	25.14	23.18	22.91	15.45
11/2/01	24.80	23.50	26.10	25.40	25.40	25.45	24.05	29.45	20.50	23.95	24.15	23.40	25.14	23.15	22.96	15.40
12/4/01	24.62	23.60	26.00	25.70	25.80	25.70	24.03	29.40	20.40	23.80	24.15	23.30	25.30	23.20	22.90	15.50
2/28/02		23.5	26.0	22.5	25.0	25.0	24.0	22.0	22.6	24.0	23.3	23.3	24.0	23.0	23.0	15.0
5/8/02		23.51	26.42	23.10	24.86	23.70	23.97	14.65	22.05	23.80	24.15	23.34	22.19	22.27	11.85	12.16
8/1/02	24.60	23.65	30.60	30.35	25.40	24.80	24.00	29.40	22.50	23.90	24.10	23.35	23.95	23.07	22.9	15.36
8/21/02	24.60	23.65	30.60	30.35	25.40	24.80	24.00	29.40	22.50	23.90	24.10	23.35	23.95	23.07	22.9	15.36

Table 5: Water Levels in Pumping Wells - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, CA

Date	PMCS #1	PMCS #2	PMCS #3	PMCS #4	PMCS #5	PMCS #6	GWE/ SVE #1	GWE/ SVE #2	GWE/ SVE #3	GWE/ SVE #4	GWE/ SVE #5	GWE/ SVE #6	GWE/ SVE #7	GWE/S VE #8	GWE/S VE #9	GWE #10
		<					-Depth to	Water (Ft)-							>	
11/1/02	24.60	23.65	30.60	30.35	25.40	24.80	24.00	29.40	22.50	23.90	24.10	23.35	23.95	23.07	22.9	15.36
1/29/02	24.60	23.65	30.60	30.35	25.40	24.80	24.00	29.40	22.50	23.90	24.10	23.35	23.95	23.07	22.9	15.36
4/25/03	24.60	23.65	30.60	30.35	25.40	24.80	24.00	29.40	22.50	23.90	24.10	23.35	23.95	23.07	22.9	15.36
7/25/03	24.60	23.65	30.60	30.35	25.40	24.80	24.00	29.40	22.50	23.90	24.10	23.35	23.95	23.07	22.9	15.36
3/16/04	24.60	23.65	30.60	30.35	25.40	24.80	24.00	29.40	22.50	23.90	24.10	23.35	23.95	23.07	22.9	15.36
10/8/04		23.50	28.06	17.83		24.56	23.95	29.35	22.50	23.30	24.10	23.30	25.25	23.02	22.85	
4/22/05	26.30	23.44	25.95	12.19	24.72	18.61	10.55	29.50	10.51	8.80	24.23	12.45	22.76	23.15	22.90	
9/9/05		26.02	14.12	23.44	24.78	24.40			22.62			23.45	25.30	23.15		15.50
1/27/06		14.95	12.40	24.27	24.27	9.21	10.26	11.88	23.75	9.57	11.49	13.40		22.15		8.78

Note: If water level in pumping well is below Top of Pump, measurement is to Top of Pump only.

Note: System inoperative from 4/30/01 to 5/16/01. PMCS wells reactivated 5/16/01.

Note: Water levels shown in table increased by 1 ft from water levels measured in field due to depth of casing in well boxes.

Main GWE system reactivated 6/15/01.

Table 6. Sparge Point Flow Rates - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

DATE	AS #1	AS #2	AS #3	AS #4	AS #5	AS #6	AS #7	AS #8	AS #9	AS #10	AS #11	AS #12	AS #13	AS #14
			<		Flo	w Rate (Sta	ndard Cubi	c Feet Per M	inute)		·	>		
7/5/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
7/23/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
7/27/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
8/1/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
8/10/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
8/28/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
9/10/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
9/27/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
10/4/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
10/9/01	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
10/16/01	≤2	≤2	≤2	≤2	≤2	4	≤2	4	≤2	10	4	≤2	≤2	≤2
10/25/01	≤2	≤2	6	3	5	6	3	4	4	7	10	8	4	8
11/2/01	5		6	6	6	7	2	5	5	7	6	6	6	6
11/20/01	5		7	6	6	7	2	7	7	5	6	6	7	6
12/12/01	5		7	4	6	9	2	6	7	6	9	7	8	7
2/7/02	5		5	5	7	8	3	5	6	5	6	5	6	5
2/21/02	8		5	5	5	4	6	4	8	6	8	5	8	8
3/5/02	8		5	5	4	5	5	5	8	5	8	5	8	8
3/14/02	8		5	5	5	4	6	4	8	6	8	5	8	8

Table 6. Sparge Point Flow Rates - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

DATE	AS #1	AS #2	AS #3	AS #4	AS #5	AS #6	AS #7	AS #8	AS #9	AS #10	AS #11	AS #12	AS #13	AS #14
	<			Flow Ra	te (Standard	l Cubic Fee	t Per Minut	e)		>				
4/5/02	8		8	10	15	2	20	8	7	7	9	10	8	9
4/19/02	8		8	10	15	2	20	8	7	7	9	10	8	9
5/2/02	8		8	10	12	4	16	8	5	5	10	10	6	10
5/16/02	6		6	12	8	4	16	8	6	6	10	8	6	8
5/21/02	8		10	15	2	18	8	6	6	10	10	8	8	10
6/7/02	6		2	4	6	2	6	4	6	8	8	8		2
6/20/02	6		2	4	6	2	6	4	6	8	8	8		2
7/19/02	6		2	4	6	2	6	4	6	8	8	8		2
8/1/02	7		7	4	2	4	2	4	4	7	8	8		6
8/16/02 1	7	4	6	4	2	4	3	5	5	6	8	8	2	6
9/19/02	6	4	6	5	2	4	4	5	5	4	6	8	2	5
11/11/02	5	6	8	6	2	5	6	2	2	5	6	4	4	6
11/27/02	4	2	4	6	2	4	2	4	2	4	2	8	4	4
12/13/02	4	6	2	4	8	8	4	6	4	8	4	2	2	4
1/16/03	5	2	4	5	3	4	2	4	4	6	2	6	2	2
2/14/03 ²	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	4	0 - 2	8	0 - 2	0 - 2
2/28/03	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	4	2	4	2
3/28/03	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4/24/03	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2

Table 6. Sparge Point Flow Rates - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

5/8/03	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	5	0 - 2	0 - 2	4
7/11/03	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
8/29/03	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
DATE		Operati	ng Air Spai	rge Points		_	AS Point FM)	Total l (CF		Operatii	ng Hours	Notes		
9/12/03		A	S #1 - AS #	±14		0	- 1	0 -	14			all points	set to 1cfm	or less
9/26/03		A	S #1 - AS #	±14		0	- 1	0 -	14	33	35			
10/3/03		A	S #1 - AS #	±14		0	- 1	0 -	14	10	66			
10/10/03		A	S #1 - AS #	±14		0	- 1	0 -	14	10	68			
10/17/03		A	S #1 - AS #	±14		0	- 1	0 -	14	158				
10/24/03		A	S #1 - AS #	±14		0	- 1	0 -	14	10	68			
10/31/03		A	S #1 - AS #	±14		0	- 1	0 -	14	10	67			
11/19/03		A	S #1 - AS #	±14		0	- 1	0 -	14	4:	56			
12/22/03		A	S #1 - AS #	±14		0	- 1	0 -	14	60)9			
1/7/04		A	S #1 - AS #	±14		0	- 1	0 -	14	-		flow meter inoperative		ve
1/14/04		A	S #1 - AS #	±14		0	- 1	0 -	14	-		flow meter inoperative		ve
1/29/04	AS #1 - AS #14				0	- 1	0 -	14	()		_	_	
2/13/04	AS #1 - AS #14				0	- 1	0 -	14	7	19				
2/27/04	AS #1 - AS #14			0	- 1	0 - 14		332						
3/3/04	AS #1 - AS #14			0	- 1	0 -	14	12	24					

Table 6. Sparge Point Flow Rates - Redwood Oil Company Bulk Plant, 455 Yolanda, Santa Rosa, California

DATE	Operating Air Sparge Points	Flow per AS Point (CFM)	Total Flow (CFM)	Operating Hours	Notes
3/10/04	AS #1 - AS #14	0 - 1	0 - 14	0	
3/16/04	AS #1 - AS #14	0 - 1	0 - 14	0	
3/25/04	AS #1 - AS #14	0 - 1	0 - 14	0	
3/31/04	AS #1 - AS #14	0 - 1	0 - 14	0	
4/9/04	AS #1 - AS #14	0 - 1	0 - 14	0	
5/4/04	AS #1 - AS #14	0 - 1	0 - 14		flow meter inoperative
6/4/04	AS #1 - AS #14	0 - 1	0 - 14	746	
7/9/04	AS #1 - AS #14	0 - 1	0 - 14		flow meter inoperative
8/2/04	AS #1 - AS #14	0 - 1	0 - 14	739	
8/26/04	AS #1 - AS #14	0 - 1	0 - 14	547	
12/30/04	AS #1 - AS #14	0 - 1	0 - 14	2643	readings switched to quarterly
3/21/05	AS #1 - AS #14	0 - 1	0 - 14	1508	
4/24/05	AS #1 - AS #14	0 - 1	0 - 14	699	system deactivated

Notes: Two standard cubic feet per minute is the lowest reading available on flow meter

AS system inoperative between 8/16/02 and 9/9/02 during cyclic shutdown of SVE system

System functioning but flow meters inoperative

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)	. ,	Interval	Interval	Grout	
		,						Interval	
MW-1	01/11/91		102.77			9 - 24	7 - 24	0 - 7	
	02/08/91								
	03/08/91								
	06/13/91	22.02		80.75	0.00				
	07/09/91	22.22		80.55	0.00				
	08/01/91	22.00	4	80.77	0.00				
	08/29/91	21.73		81.04	0.00				
	09/11/91	21.75		81.02	0.00				
	10/08/91	22.04		80.73	0.00				
	11/08/91	22.23		80.54	0.00				
	12/11/91				0.00				
	01/13/92	21.41		81.36	0.00				
	02/11/92	20.25		82.52	0.00				
	03/11/92	12.79		89.98	0.00	,			
	04/13/92	13.76		89.01	0.00	,			
	05/15/92	15.49		87.28	0.00				
	06/15/92	16.85		85.92	0.00				
	07/16/92	17.74	4	85.03	0.00				
	08/18/92	17.56	4	85.21	0.00				
	09/18/92	18.62		84.15	0.00				
	12/08/92	18.38		84.39	0.00				
	03/10/93	13.29		89.48	0.00				
	06/04/93	12.77	4	90.00	0.00				
	10/14/93	23.66		79.11	0.00				
	04/11/94 10/19/94		ł	88.19	0.00				
	04/11/95	14.51 9.18	ł	88.26 93.59	0.00				
	03/06/96			93.39	0.00				
	10/14/96				0.00				Top of agging alayations to surroyed
	04/09/97		4	90.42	0.00				Top of casing elevations re-surveyed.
	10/29/97	13.28		89.50	0.00				
	04/07/98		4	94.72	0.00				
	10/07/98			94.72	0.00	-			
	04/07/99			94.07	0.00	-			
<u></u>	04/07/99	0./1		94.07	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)		Interval	Interval	Grout	
		ĺ						Interval	
MW-1	10/19/99		102.78	90.80	0.00	9 - 24	7 - 24	0 - 7	
	04/26/00		1		0.00				Well inaccessible due to construction activities.
	10/30/00		146.16		0.00				Top of casing elevations re-surveyed.
	02/01/01]	134.88	0.00				
	04/23/01			131.87	0.00				
	07/23/01			131.28	0.00				
	10/23/01			129.70					
	01/21/02	12.77	148.81	136.04	0.00				Top of casing elevations were surveyed for EDF
									compliance.
	04/25/02			136.01	0.00	,			
	07/22/02			135.61	0.00				
	10/22/02			135.05	0.00				
	01/27/03		-	135.81	0.00				
	04/21/03			135.96	0.00				
	07/21/03			135.45	0.00				
	01/20/04 07/19/04		-	138.77 135.77	0.00				
	01/19/04		-	138.85	0.00				
	07/12/05			139.41	0.00				
	02/01/06			140.12	0.00				
	02/01/00	0.07		140.12	0.00			<u> </u>	
MW-2	01/11/91	21.36	102.18	80.82	0.00	10 - 25	7.5 - 25	0 - 7.5	
	02/08/91	18.24		83.94	0.00				
	03/08/91			85.66	0.00				
	06/13/91		1	81.23	0.00				
	07/09/91	20.98	1	81.20	0.00				
	08/01/91	20.98		81.20	0.00				
	08/29/91	21.28		80.90	0.00				
	09/11/91	21.36		80.82	0.00				
	10/08/91	21.83]	80.25	0.22				
	11/08/91	20.56]	81.62	0.00				
	12/11/91		-1	81.10		4			
	01/13/92			83.62	0.00				
	02/11/92	14.30		87.88	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)		Interval	Interval	Grout	
		·						Interval	
MW-2	03/11/92				0.00		7.5 - 25	0 - 7.5	
	04/13/92	13.23		88.95	0.00				
	05/15/92	15.09		87.09	0.00				
	06/15/92	16.95		85.23	0.00				
	07/16/92	17.96		84.22	0.00				
	08/18/92	17.76		84.42	0.00				
	09/18/92	18.75	-	83.43	0.00				
	12/08/92	14.66		87.52	0.00				
	03/10/93			89.38	0.00				
	06/04/93		-	88.93	0.00				
	10/14/93			85.98	0.00				
	04/11/94			87.33	0.00				
	10/19/94			87.14	0.00				
	04/11/95			92.41	0.00				
	03/06/96		-	92.06	0.00				
	10/14/96			89.74	0.00				
	04/10/97	10.79		91.40	0.00				
	10/28/97	13.32		88.87	0.00				
	04/07/98			94.17	0.00				
	10/07/98			90.55	0.00				
	04/07/99		-	93.40					
	10/19/99			90.14	0.00				W. H
	04/26/00		145.32	134.52	0.00				Well inaccessible due to construction activities.
	10/30/00 02/01/01	10.80 10.70		134.52	0.00				Top of casing elevations re-surveyed.
	04/23/01	13.74	-	134.62	0.00				
	07/23/01	14.22	-	131.38	0.00				
	10/23/01	16.04		129.28	0.00				
	01/21/02		-	134.61	0.00				
	04/25/02		-1	134.01	0.00				
	07/22/02		1	134.17		1			
	10/22/02		1	134.15	0.00	1			
	01/27/03				0.00	1			Top of casing elevations were surveyed for EDF
	01/2//03	15.10	117.57	151.75	0.00				compliance.
L	1	I	l .			I.			compilation.

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)		Interval	Interval	Grout	
		·						Interval	
MW-2	04/21/03		147.97		0.00	10 - 25	7.5 - 25	0 - 7.5	
	07/21/03			134.96	0.00				
	01/20/04	11.81		136.16	0.00				
	07/19/04			135.13	0.00				
	01/18/05			136.83	0.00				
	07/12/05			136.95	0.00				
	02/01/06	10.22		137.75	0.00				
2.5337.2	T 01/11/01	1	101.04	I	Г	10.22	15.00		T
MW-3	01/11/91		101.94			18 - 33	17 - 33	0 - 17	
	02/08/91			72.66					
	03/08/91	28.28	-	73.66	0.00				
	06/13/91 07/09/91		-						
	08/01/91		-						
	08/29/91								
	09/11/91		-						
	10/08/91		1						
	11/08/91								
	12/11/91								
	01/13/92		1						
	02/11/92		1	83.12	0.00				
	03/11/92	11.76		90.18	0.00				
	04/13/92	12.25		89.69	0.00				
	05/15/92			86.59	0.00				
	06/15/92			84.33	0.00				
	07/16/92			82.08	0.00				
	08/18/92			82.28	0.00				
	10/18/92			75.94	0.00				
	12/08/92		-1	84.70		4			
	03/10/93			87.34	0.00	4			
	06/04/93			87.99	0.00				
	10/14/93								
	04/11/94			85.36					
	10/19/94	16.01		85.93	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)		Interval	Interval	Grout	
								Interval	
MW-3	04/11/95		101.94	90.82	0.00	18 - 33	17 - 33	0 - 17	
	03/06/96			90.22	0.00				
	10/14/96		101.97	88.03	0.00				
	04/10/97	12.08		89.90	0.01				
	10/29/97	16.02		85.99	0.02				
	04/07/98			92.00	0.00				
	10/07/98			89.31	0.00				
	04/07/99			92.27	0.00				
	10/19/99			88.82	0.00				
	04/26/00								Well inaccessible due to construction activities.
	10/30/00		145.10						Well plugged at seven feet, no water.
	02/01/01	12.33		132.77	0.00				77. 11
	04/23/01	1400		120 12					Well was inaccessible
	07/23/01			130.12	0.00				
	10/23/01			128.10	0.00				T. C. : 1 ti 1.C. EDE
	01/21/02	13.67	147.75	134.08	0.00				Top of casing elevations were surveyed for EDF
	04/25/02	14.50		122.25	0.00				compliance.
	04/25/02			133.25 132.79	0.00				
	07/22/02 10/22/02			132.79	0.00				
	01/27/03			132.53	0.00				
	04/21/03			133.34	0.00				
	07/21/03			134.28	0.00				
	01/20/04			135.32	0.00				
	07/19/04		1	133.72	0.00				
	01/18/05			136.64	0.00				
	07/12/05			136.07	0.00				
	02/01/06			137.52	0.00				
	02/01/00	10.20	<u> </u>	107,102	3.00	<u>I</u>	1	ı	
MW-4	01/11/91		101.47			10 - 25	7 - 25	0 - 7	
	02/08/91		1			1			
	03/08/91					1			
	06/13/91					1			
	07/09/91								

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)		Interval	Interval	Grout	
		ĺ						Interval	
MW-4	08/01/91		101.47			10 - 25	7 - 25	0 - 7	
	08/29/91								
	09/11/91								
	10/08/91								
	11/08/91								
	12/11/91								
	01/13/92			77.00	0.00				
	02/11/92			75.41	0.00				
	03/11/92			78.01	0.00				
	04/13/92			77.22	0.00	,			
	05/15/92								
	06/15/92								
	07/16/92								
	08/18/92								
	09/18/92								
	12/08/92								
	03/10/93								
	06/04/93								
	10/14/93 04/11/94								
	10/19/94	1							
	04/11/95								
	03/06/96			84.95	0.00				
	10/14/96				0.00				
	04/10/97		101.70	85.68	0.00				
	10/29/97			80.09	0.00				
	04/07/98			90.40					
	10/07/98			86.17	0.00				
	04/07/99		4	89.75					
	10/19/99			86.55	0.00				
	04/26/00			91.32	0.00				
	06/01/00					1			
	10/30/00		145.47	131.69	0.00				Top of casing elevations were surveyed.
	02/01/01	13.41		132.06	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
		msl)		msl)		Interval	Interval	Grout	
								Interval	
MW-4	04/23/01	19.27	145.47		0.00	10 - 25	7 - 25	0 - 7	
	07/23/01	17.65		127.82	0.00				
	10/23/01	19.88		125.59	0.00				
	01/21/02	13.62	148.12	134.50	0.00				Top of casing elevations were surveyed for EDF compliance.
	04/25/02	14.47		133.65	0.00				
	07/22/02	15.57		132.55	0.00				
	10/22/02	17.23		130.89	0.00				
	01/27/03	13.00]	135.12	0.00				
	04/21/03			134.70	0.00				
	07/21/03			133.97	0.00				
	01/20/04			136.45	0.00				
	07/19/04			133.65	0.00				
	01/18/05			136.81	0.00				
	07/12/05			136.59	0.00				
	02/01/06	9.81	<u> </u>	138.31	0.00	<u> </u>			
	_						•	_	
MW-5	06/13/91					34.5 - 44.5	32.5 - 44.5	0 - 32.5	
	07/09/91			75.39	0.00				
	08/01/91			78.15	0.00				
	08/29/91			78.58	0.00				
	09/11/91			78.79	0.00				
	10/08/91			73.91	0.00				
	11/08/91			77.01	0.00				
	12/11/91			78.02	0.00				
	01/13/92			77.41	0.00				
	02/11/92			77.70					
	03/11/92			79.36					
	04/13/92			79.87	0.00				
	05/15/92			82.41	0.00				
	06/15/92			82.65	0.00				
	07/16/92		-	81.49					
	08/18/92			81.99	0.00				
	09/18/92	19.60	<u></u>	81.77	0.00		l	l	

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)		Interval	Interval	Grout	
		ŕ						Interval	
MW-5	12/08/92	20.04	101.37		0.00	34.5 - 44.5	32.5 - 44.5	0 - 32.5	
	03/10/93	16.60		84.77	0.00				
	06/04/93	15.96		85.41	0.00	_1			
	10/14/93	18.68		82.69	0.00				
	04/11/94			86.91	0.00				
	10/19/94			85.81	0.00				
	04/11/95			91.85					
	03/06/96			90.77	0.00				
	10/14/96			89.53	0.00				
	04/09/97	10.08	4	91.26					
	10/29/97	15.05		86.29	0.00				
	04/07/98			93.33	0.00				
	10/07/98			91.52	0.00				
	04/07/99		4	92.22	0.00				
	10/19/99			88.38	0.00				
	04/26/00			92.06	0.00				
	10/30/00		145.73						Well inaccessible due to area flooding
	02/01/01	11.52	4	134.21	0.00	-1			
	04/23/01	15.25		130.48	0.00				
	07/23/01	13.22		132.51	0.00				
	10/23/01	13.15		132.58	0.00				
	01/21/02	12.50	148.38	135.88	0.00				Top of casing elevations were surveyed for EDF
	0.4/2.5/02	12.02		126.26	0.00				compliance.
	04/25/02	12.02		136.36		_1			
	07/22/02	11.00		137.38	0.00	_1			
	10/22/02	11.40		136.98	0.00				
	01/27/03	10.78		137.60 139.23	0.00	_1			
	04/21/03 01/20/04	9.15 8.00		139.23	0.00	_1			
	07/19/04		4	137.85	0.00				
	01/19/04	10.33	•	137.83	0.00				
			•	138.29	0.00				
	07/12/05 02/01/06			141.27	0.00				
	02/01/00	7.54		140.84	U.UU	1	1	<u> </u>	

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)	,	Interval	Interval	Grout	
		,						Interval	
MW-5A	10/14/96	11.80	101.37		0.00	50 - 60	49 - 60	0 - 49	
	04/10/97	10.16		91.21	0.00				
	10/29/97	16.80		84.57	0.00				
	04/07/98			91.73	0.00				
	10/07/98			91.28	0.00				
	04/07/99			93.82	0.00				
	10/19/99								Well casing was damaged.
	04/26/00			93.79	0.00				
	10/30/00		145.70						Well inaccessible due to area flooding
	02/01/01	11.17		134.53	0.00				
	04/23/01	11.75		133.95	0.00				
	07/23/01	12.58		133.12	0.00				
	10/23/01	13.71	140.25	131.99	0.00				
	01/21/02	12.55	148.35	135.80	0.00				Top of casing elevations were surveyed for EDF
	04/25/02	11 45		126.00	0.00				compliance.
	04/25/02	11.45 10.75		136.90 137.60	0.00				
	10/22/02	10.73		137.60	0.00				
	01/27/03	10.30		137.43	0.00				
	04/21/03		1	138.00	0.00				
	07/19/04			138.32	0.00				
	01/18/05			138.20	0.00				
	07/12/05			139.93	0.00				
	02/01/06			139.75	0.00				
			<u>I</u>			<u>.</u>		•	•
MW-7	06/13/91	34.93	100.86	65.93	0.00	51 - 60	49 - 60	0 - 49	
	07/09/91	35.05		65.81	0.00				
	08/01/91	35.76		65.10	0.00				
	08/29/91	37.28		63.58	0.00	4			
	09/11/91	36.71		64.15	0.00	4			
	10/08/91	36.59		64.27	0.00				
	11/08/91	36.31		64.55	0.00	4			
	12/11/91	36.55		63.31	0.00				
	01/13/92	37.03		63.83	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)	, ,	msl)		Interval	Interval	Grout	
		ĺ						Interval	
MW-7	02/11/92	36.20	100.86	64.66	0.00	51 - 60	49 - 60	0 - 49	
	03/11/92			66.35	0.00				
	04/13/92]	67.01	0.00				
	05/15/92			67.82	0.00				
	06/15/92			65.33	0.00				
	07/16/92			65.44	0.00				
	08/18/92			65.83	0.00				
	09/18/92			65.34	0.00				
	12/08/92		-	66.50					
	03/10/93		-1	70.65		-1			
	06/04/93			71.53	0.00				
	10/14/93			68.63	0.00				
	04/11/94		-	71.99	0.00				
	10/19/94		-	69.67	0.00				
	04/11/95			78.37	0.00				
	03/06/96			79.42	0.00				
	10/14/96		101.03						Top of casing elevations re-surveyed.
	04/09/97			80.36					
	10/29/97		-	76.32	0.00				
	04/07/98 10/07/98		-	84.07 81.57	0.00				
	04/07/99		-	85.76					
	10/19/99		-	82.24	0.00				
	04/26/00			87.58	0.00				
	10/30/00		144.72		0.00				Top of casing elevations re-surveyed.
	02/01/01			128.55	0.00	_1			Top of easing elevations re-surveyed.
	04/23/01			126.60					
	07/23/01			125.19					
	10/23/01			122.72	0.00				
	01/21/02				0.00				Top of casing elevations were resurveyed for EDF
									compliance.
	04/25/02		-	131.10		-1			
	07/22/02		-	129.56					
	10/22/02	18.90		128.47	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)		Sand Pack	Bentonite/	Notes
	Date	msl)		msl)		Interval	Interval	Grout	
								Interval	
MW-7	01/27/03		147.37		0.00		49 - 60	0 - 49	
	04/21/03			132.45	0.00				
	07/21/03			131.10	0.00				
	01/20/04			133.00	0.00				
	07/19/04			129.47	0.00				
	01/18/05			135.30	0.00				
	07/12/05			134.37	0.00				
	02/01/06	10.15		137.22	0.00				
MW-8	06/13/91	22.60	101.53	68.85	0.00	49 - 59	17.5.50	0 47.5	
WI W -8	06/13/91	-		68.83	0.00		47.5 - 59	0 - 47.5	
	08/01/91		4	68.27	0.00	-1			
	08/01/91		4	67.47	0.00	-1			
	09/11/91	-		66.83	0.00				
	10/08/91	-	4	63.90	0.00				
	11/08/91	-	4	65.80	0.00				
	12/11/91			66.54	0.00	•			
	01/13/92		1	67.19	0.00				
	02/11/92		4	66.99	0.00				
	03/11/92	32.42		69.11	0.00				
	04/13/92	30.46	1	71.07	0.00				
	05/15/92	30.80		70.73	0.00				
	06/15/92			69.71	0.00				
	07/16/92			68.52	0.00				
	08/18/92			68.63	0.00	_1			
	09/18/92			67.93	0.00	_1			
	12/08/92			68.46	0.00	_1			
	03/10/93			74.66	0.00				
	06/04/93		4	76.14	0.00	-1			
	10/14/93		4	71.63	0.00	-1			
	04/11/94			74.83	0.00				
	10/19/94			85.97	0.00				
	04/11/95		4	81.66	0.00				
	03/06/96	19.03		82.50	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample		DTW (Ft)	` '	Product (ft)		Sand Pack	Bentonite/ Grout	Notes
	Date	msl)		msl)		Interval	Interval	Interval	
MW-8	10/14/96	22.90	101.42	78.52	0.00	49 - 59	47.5 - 59	0 - 47.5	Top of casing elevation re-surveyed.
	04/10/97	19.06		82.36	0.00				
	10/29/97	23.91	1	77.51	0.00				
	04/07/98	15.15		86.27	0.00				
	10/07/98		4	82.40					
	04/07/99			87.03	0.00				
	10/19/99			82.02	0.00				
	04/26/00			87.64	0.00				
	10/30/00				0.00				Top of casing elevation re-surveyed.
	02/01/01	16.78		128.07	0.00				
	04/23/01	17.25		127.60	0.00				
	07/23/01	19.18		125.67	0.00				
	10/23/01			123.05	0.00				
	01/21/02	14.21	147.50	133.29	0.00				Top of casing elevations were surveyed for EDF
	04/25/02	15.82		131.68	0.00				compliance.
	07/22/02			131.08	0.00				
	10/22/02			128.80	0.00				
	01/27/03		4	132.65	0.00				
	04/21/03			132.70					
	07/21/03		4	131.20		4			
	01/20/04		4	133.19					
	07/19/04		4	131.85	0.00	4			
	01/18/05			134.85	0.00				
	02/01/06	10.42		137.08	0.00				
MW-9	10/14/96						7 - 26	0 - 7	
	04/10/97			87.31					
	10/29/97		4	84.23	0.00				
	04/07/98			89.98	0.00				
	10/07/98		4	85.81	0.00				
	04/07/99		4	89.39					
	10/19/99			82.08	0.00				
	04/26/00	11.51		88.78	0.00		<u> </u>	I	

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)	, ,	msl)		Interval	Interval	Grout	
								Interval	
MW-9	10/30/00	14.42	144.66	130.24	0.00	8 - 26	7 - 26	0 - 7	Top of casing elevation surveyed.
	02/01/01	14.12]	130.54	0.00				
	04/23/01	15.54		129.12	0.00				
	07/23/01	16.45		128.21	0.00				
	10/23/01	18.80		125.86	0.00				
	01/21/02	15.52	147.31	131.79	0.00				Top of casing elevations were surveyed for EDF
] ']			compliance.
	04/25/02			132.67	0.00				
	07/22/02			129.76	0.00				
	10/22/02			131.31	0.00				
	01/27/03			133.67	0.00				
	04/21/03			133.56	0.00				
	07/21/03			132.71	0.00				
	01/20/04			134.19	0.00	-1			
	07/19/04			132.95	0.00				
	01/18/05			135.55	0.00				
	02/01/06	8.65		138.66	0.00				
MW-10	04/10/99	12.04	102.04	0.00	0.00	5 - 20	4.5 - 20	0 - 4.5	
IVI VV -1U	10/19/99			0.00	0.00		4.3 - 20	0 - 4.3	
	04/26/00			0.00	0.00				
	10/30/00			135.15	0.00	-1			Top of casing elevation surveyed.
	02/01/01			134.03	0.00				Top of easing elevation surveyed.
	04/23/01			131.48	0.00				
	07/23/01			130.65	0.00				
	10/23/01			128.19	0.00				
	01/21/02			135.05	0.00				Top of casing elevations were surveyed for EDF
									compliance.
	04/25/02	14.05	1	134.00	0.00	1			
	07/22/02			133.75	0.00				
	10/22/02			133.35	0.00				
	01/27/03			135.43	0.00				
	04/21/03			135.24	0.00				
	07/21/03			134.30					

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	` '	DTW (Ft)	` ′	Product (ft)	Screen		Bentonite/ Grout	Notes
	Date	msl)		msl)		Interval	Interval	Interval	
MW-10	01/20/04	11.71	148.05	136.34	0.00	5 - 20	4.5 - 20	0 - 4.5	
	07/19/04			134.69	0.00				
	01/18/05	10.05	1	138.00	0.00				
	07/12/05	11.60	1	136.45	0.00				
	02/01/06	10.04		138.01	0.00				
MW-11	05/08/00		101.74		0.00	15-35	13-35	0-13	
	06/07/00			82.69	0.00				
	10/30/00		146.37	122.67	0.00				Top of casing elevation surveyed.
	02/01/01	21.73		124.64	0.00				
	04/23/01	20.21		126.16	0.00				
	07/23/01	22.69		123.68	0.00				
	10/23/01	25.65	110.00	120.72	0.00				
	01/21/02	17.95	149.02	131.07	0.00				Top of casing elevations were surveyed for EDF
	0.4/2.5/02	17.05		121.67	0.00				compliance.
	04/25/02	17.35		131.67	0.00				
	07/22/02	20.10		128.92	0.00	-1			
	10/22/02 01/27/03	21.91 17.32		127.11 131.70	0.00				
	04/21/03			131.70	0.00				
	07/21/03			130.94	0.00				
	01/20/04			132.75	0.00	-1			
	07/19/04			132.73					
	02/01/06			136.19	0.00	1			
	, , , , , , , , ,								
MW-12	05/08/00	20.75	101.15	80.40	0.00	10 - 30	8 - 30	0 - 8	
	06/07/00	21.25		79.90	0.00				
	10/30/00	25.43	146.38	120.95	0.00				Top of casing elevation surveyed.
	02/01/01	24.27		122.11	0.00				
	04/23/01	22.00		124.38	0.00				
	07/23/01	24.11		122.27	0.00				
	10/23/01	26.38		120.00	0.00				
	01/21/02	19.70	149.03	129.33	0.00				Top of casing elevations were surveyed for EDF
									compliance.

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample Date	TOC (Ft, msl)	DTW (Ft)	GWE (Ft, msl)	Product (ft)	Screen Interval	Sand Pack Interval	Bentonite/ Grout	Notes
		,		,				Interval	
MW-12	04/25/02	18.91	149.03	130.12	0.00	10 - 30	8 - 30	0 - 8	
	07/22/02	21.21		127.82	0.00				
	10/22/02	23.98		125.05	0.00				
	01/27/03	18.75		130.28	0.00				
	04/21/03	17.81		131.22	0.00				
	07/21/03	19.71		129.32	0.00				
	01/20/04	18.43		130.60	0.00				
	07/19/04			130.64	0.00				
	01/18/05			132.09	0.00				
	02/01/06	13.53		135.50	0.00				
MW-13	05/08/00		101.81		0.00	10 - 30	8 - 30	0 - 8	
	06/07/00			78.78	0.00				
	10/30/00		147.32		0.00				Top of casing elevation surveyed.
	02/01/01	26.11		121.21	0.00				
	04/23/01	23.56		123.76	0.00				
	07/23/01			121.56	0.00				
	10/23/01	27.60		119.72	0.00				Monitoring well has been abandoned.
		1	•			1	·		
MW-14	05/08/00					10-30	8-30	0-8	
	06/07/00			79.05	0.00	4			
	10/30/00		144.96		0.00				Top of casing elevation surveyed.
	02/01/01			121.39	0.00				
	04/23/01			123.83	0.00				
	07/23/01			121.78	0.00				
	10/23/01	25.50		119.46	0.00				Monitoring well has been abandoned.
	1		1	1			1	1	
MW-15	05/08/00				0.00		7-25	0-7	
	06/07/00				0.00	4			
	10/30/00		4		0.00				Top of casing elevation surveyed.
	02/01/01	15.04		130.40	0.00				
	04/23/01	16.72		128.72	0.00				
	07/23/01	19.62		125.82	0.00				
	10/23/01	22.17		123.27	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample Date	TOC (Ft, msl)	DTW (Ft)	GWE (Ft, msl)	Product (ft)	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval	Notes
MW-15	01/21/02	14.80	148.09	133.29	0.00	8-25	7-25	0-7	Top of casing elevations were surveyed for EDF compliance.
	04/25/02	14.88	1	133.21	0.00				•
	07/22/02	16.47		131.62	0.00				
	10/22/02	18.84]	129.25	0.00				
	01/27/03	13.88		134.21	0.00				
	04/21/03	13.31		134.78	0.00				
	07/21/03	14.11		133.98	0.00				
	01/20/04	13.15		134.94	0.00				
	07/19/04	13.12		134.97	0.00				
	01/18/05	11.58		136.51	0.00				
	07/12/05			136.86	0.00				
	02/01/06	9.61		138.48	0.00				
2.5337.4.6	0.5/0.0/0.0	1405	ı	1	0.00	1 005	1	1 0.7	_
MW-16	05/08/00				0.00		7-25	0-7	
	06/07/00	15.53			0.00				T. C. 1 (' 1
	10/30/00	18.77	147.68		0.00				Top of casing elevation surveyed.
	02/01/01 04/23/01	18.17	1	129.51	0.00				
	07/23/01	14.58 24.26		133.10 123.42	0.00				
	10/23/01	23.40		123.42	0.00				
	01/21/02	14.11	150.33		0.00	4			Top of casing elevations were surveyed for EDF
	01/21/02	14.11	150.55	130.22	0.00				compliance.
	04/25/02	13.66	1	136.67	0.00				compliance.
	07/22/02	17.60		132.73	0.00				
	10/22/02	18.75		131.58	0.00				
	01/27/03	12.97		137.36	0.00				
	04/21/03	13.98		136.35	0.00				
	07/21/03	14.66		135.67	0.00	1			
	01/20/04	12.38		137.95	0.00				
	07/19/04	13.41		136.92	0.00				
	01/18/05	11.38		138.95	0.00				
	07/12/05			138.95	0.00				
	02/01/06	9.92		140.41	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample Date	TOC (Ft, msl)	DTW (Ft)	GWE (Ft, msl)	Product (ft)	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval	Notes
MW-17	05/08/00	7.80	103.65	95.85	0.00	8 - 25	7 - 25	0 - 7	1
1,1,1	06/07/00			95.14	0.00		, 2	,	
	10/30/00				0.00	4			Top of casing elevation surveyed.
	02/01/01	7.86		140.42	0.00	1			
	04/23/01	8.38		139.90	0.00				
	08/22/01	11.80		136.48	0.00				
	10/23/01	13.15		135.13	0.00				
	01/21/02	7.10	150.93	143.83	0.00				Top of casing elevations were surveyed for EDF
									compliance.
	04/25/02			144.23	0.00				
	07/22/02								Well was inaccessible
	10/22/02		4	139.62	0.00				
	01/27/03			141.38	0.00				
	04/21/03		ļ						Well was inaccessible
	01/20/04								Well was inaccessible
	07/19/04								
	01/17/05			1.12.06					
	07/12/05			143.86	0.00				
	02/01/06								
MW-18	05/08/00	11.20	99.67	88.47	0.00	8 - 25	7 - 25	0 - 7	
	06/07/00	11.56		88.11	0.00				
	10/30/00				0.00				Top of casing elevation surveyed.
	02/01/01			130.23	0.00				
	04/23/01			130.84	0.00				
	07/23/01			129.43	0.00				
	10/23/01			125.99	0.00				
	01/21/02	12.15	146.79	134.64	0.00				Top of casing elevations were surveyed for EDF compliance.
	04/25/02	12.29		134.50	0.00				
	07/22/02			133.03	0.00]			
	10/22/02	14.76		132.03	0.00]			
	01/27/03	11.41		135.38	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	` '	DTW (Ft)	` '	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)		Interval	Interval	Grout	
								Interval	
MW-18	04/21/03				0.00	8 - 25	7 - 25	0 - 7	
	07/21/03			134.08	0.00	1			
	01/20/04			135.60	0.00	1			
	07/19/04			134.12	0.00	_1			
	01/17/05			135.88	0.00				
	02/01/06	8.09		138.70	0.00				
	1	1	1	T		1	1	1	
MW-19	05/08/00						7 - 25	0 - 7	
	06/07/00	9.62		90.80	0.00	-1			
	10/30/00	12.66			0.00				Top of casing elevation surveyed.
	02/01/01	12.65		132.53	0.00				
	04/23/01	10.55		134.63	0.00				
	07/23/01	12.27		132.91	0.00	-1			
	10/23/01	13.92		131.26	0.00				
	01/21/02	9.44	147.83	138.39	0.00				Top of casing elevations were surveyed for EDF
	04/25/02	9.61		138.22	0.00				compliance.
	07/22/02	10.65	-1	137.18	0.00	1			
	10/22/02			136.17	0.00				
	01/27/03			138.23	0.00				
	04/21/03			138.67	0.00				
	07/21/03	9.55		138.28	0.00				
	01/20/04	9.20		138.63	0.00				
	07/19/04			137.15	0.00				
	01/17/05	9.33	1	138.50	0.00	1			
	02/01/06	7.02		140.81	0.00				
MW-20	06/07/00						8-25	6-8	
	10/30/00	11.81	147.48	135.67	0.00				Top of casing elevation surveyed.
	2/15/0112	11.42		136.06	0.00				
	4/23/0113								
	07/23/01	12.37		135.11	0.00				
	10/23/01	13.45		134.03	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
		msl)		msl)		Interval	Interval	Grout	
				·				Interval	
MW-20	01/21/02	9.68	150.13	140.45	0.00	10-25	8-25	6-8	Top of casing elevations were surveyed for EDF
									compliance.
	04/25/02	_]						Well was inaccessible
	07/22/02	11.41		138.72	0.00				
	10/22/02	11.98		138.15	0.00				
	01/27/03			139.35	0.00				
	04/21/03			140.26	0.00				
	07/21/03			137.97	0.00				
	01/20/04			141.19	0.00				
	07/19/04			139.35	0.00				
	01/17/05			141.15	0.00				
	02/01/06	12.30		137.83	0.00				
V-1	06/13/91	21.89	102.53			15.5 - 25.5	13.5 - 25.5	0 - 13.5	
	07/09/91	21.91		80.62	0.00				
	08/01/91	21.34		81.19	0.00				
	08/29/91	21.10		81.43	0.00				
	09/11/91	21.25		81.28	0.00				
	10/08/91	22.88		79.65	0.00				
	11/08/91	22.15		80.38	0.00				
	12/11/91								
	01/13/92			81.25	0.00				
	02/11/92			83.78					
	03/11/92				0.00	_1			
	04/13/92			88.01	0.00	_1			
	05/15/92			87.35	0.00				
	06/15/92			86.24	0.00				
	07/16/92	17.22		85.31	0.00				
	08/18/92	17.08		85.45	0.00				
	09/18/92	18.25		84.28	0.00				
	12/08/92	17.80		84.73	0.00				
	03/10/93			86.94	0.00				
	06/04/93			87.56					
	10/14/93	14.66		87.87	0.00				

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)	, ,	msl)		Interval	Interval	Grout	
		,						Interval	
V-1	04/11/94	14.00	102.53	88.53	0.00	15.5 - 25.5	13.5 - 25.5	0 - 13.5	
	10/19/94	13.92		88.61	0.00				
	04/11/95			93.25	0.00				
	03/06/96			92.81	0.00				
	10/14/96		102.51	90.60	0.00				Top of casing elevations were surveyed.
	04/09/97	10.48		92.03	0.00				
	10/29/97	13.96		88.57	0.02				
	04/07/98			94.50					
	10/07/98			91.41	0.00				
	04/07/99			94.36	0.00				
	10/19/99			91.02	0.00				
	04/26/00			93.87 135.00	0.00				Tan of cosing alamatican arrange armound
	10/30/00 02/26/01	11.85 12.55		135.00	0.00				Top of casing elevations were surveyed.
	04/23/01	12.55		134.30	0.00				
	07/23/01	13.14		133.71	0.00				
	10/23/01	14.85	4	132.00	0.00				
	01/21/02				0.00				Top of casing elevations were surveyed for EDF
	01/21/02	11.70	147.50	137.00	0.00				compliance.
	04/25/02	11.65		137.85	0.00				compitance.
	07/22/02		4	136.98	0.00				
	10/22/02			136.60					
	01/27/03			138.07	0.00				
	04/21/03	11.44		138.06	0.00				
	07/21/03	12.08	1	137.42	0.00				
	01/20/04	10.54		138.96	0.00				
	07/19/04	11.92		137.58	0.00				
	01/17/05			139.29					
	07/12/05	9.96		139.54	0.00				
	•	ı	1	ı	ı	ī			
V-2	06/13/91		101.13			8 - 23	7 - 23	0 - 7	
	07/09/91								
	08/01/91								
	08/29/91								

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample	TOC (Ft,	DTW (Ft)	GWE (Ft,	Product (ft)	Screen	Sand Pack	Bentonite/	Notes
	Date	msl)		msl)	,	Interval	Interval	Grout	
								Interval	
V-2	09/11/91		101.13			8 - 23	7 - 23	0 - 7	
	10/08/91								
	11/08/91								
	12/11/91								
	01/13/92	18.39	4	82.74	0.00				
	02/11/92	21.16		79.97	0.00				
	03/11/92	16.86		84.27	0.00				
	04/13/92	17.03		84.10	0.00				
	05/15/92	17.78		83.35	0.00				
	06/15/92	21.44		79.69	0.00				
	07/16/92		ļ						
	08/18/92								
	09/18/92	10.41							
	12/08/92	19.41		81.72	0.00				
	03/10/93	13.62		87.51	0.00				
	06/04/93	12.98		88.15	0.00				
	10/14/93	20.11	ł	91.02					
	04/11/94	20.11	ł	81.02	0.00				
	10/19/94 04/11/95	12.14		88.99	0.00				
	03/06/96	12.14 13.01		88.99	0.00				
	10/14/96		100.82		0.00				
	04/09/97	13.46	4	87.36	0.00				
	10/29/97	17.24	1	83.58	0.00				
	04/07/98			94.50	0.00				
	10/07/98			87.14	0.00				
	04/07/99	10.56		90.26	0.00				
	10/19/99	13.96		86.86	0.00				
	04/26/00			91.51	0.00				
	10/30/00				0.00				Top of casing elevations were surveyed.
	02/26/01	10.36	4	133.49	0.00				
	04/23/01	15.10		128.75	0.00				
	08/22/01	15.48		128.37	0.00				Well has been switched to a SVE (soil vapor
									extraction) well.

Table 7. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Sample Date	TOC (Ft, msl)	DTW (Ft)	, ,	Product (ft)	Screen Interval	Sand Pack Interval	Bentonite/ Grout	Notes
	Date	IIISI)		msl)		intervar	intervar	Interval	
DW-1	06/13/91		102.64		0.00		61 - 180	0 - 61	Well has been abandoned.
	07/09/91	37.82		64.82	0.00				
	08/01/91	92.26		10.38	0.00	1			
	08/29/91	50.13		52.51	0.00	1			
	09/11/91	39.72		62.92	0.00	1			
	10/08/91	39.31		63.33	0.00	1			
	11/09/91	38.90		63.74	0.00				
	12/11/91			62.68	0.00	1			
	12/08/92	+		64.89	0.00				
	03/10/93			70.04	0.00				
	06/04/93			70.29	0.00				
	10/14/93	+				1			
		.1							
DW-2	03/09/74					94 - 134	unknown	0 - 20	Well has been abandoned.
	10/17/95								
	10/21/96								
	04/10/97	+				1			
	10/30/97	+				1			
	04/08/98					1			
	10/07/98					1			
	04/07/99					1			
	08/30/99	+			0.48				

EXPLANATION:

DTW = Depth to water

ft =feet

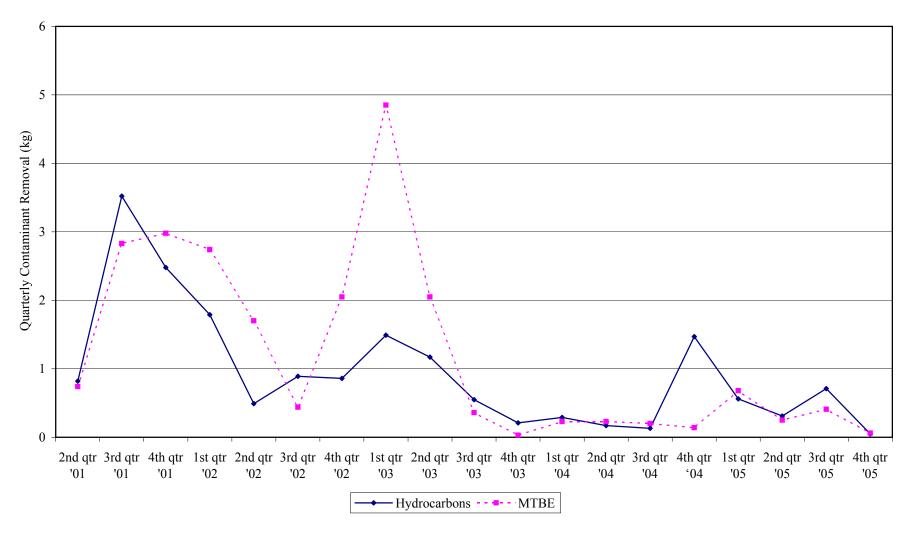
msl = mean sea level

TOC = Top of casing elevation GWE = Ground water elevation

— = Not applicable

Table 8. Hydrocarbon and MTBE Removal - Redwood Oil Company Bulk Plant, 455 Yolanda Ave., Santa Rosa, CA

1					I	
		Influent Hydrocarbon				
		Concentratinon			MTBE	
	Gallons	(TPH[D] + TPH[G])	Hydrocarbon	Influent	Removal	
Quarter	Pumped	(ug/L)	Removal (kg)	MTBE	(kg)	notes
2nd qtr '01	46,786	4,605	0.82	4,200	0.74	
3rd qtr '01	158,860	5,850	3.52	4,700	2.83	
4th qtr '01	192,067	3,100	2.48	4,100	2.98	
1st qtr '02	369,942	1,277	1.79	1,955	2.74	
2nd qtr '02	390,485	1,242	0.49	1,145	1.7	
3rd qtr '02	208,672	1,130	0.89	555	0.44	
4th qtr '02	255,724	887	0.86	2,240	2.05	
1st qtr '03	413,190	950	1.49	3,100	4.85	
2nd qtr '03	471,556	655	1.17	1,150	2.05	
3rd qtr '03	295,358	495	0.55	320	0.36	
4th qtr '03	68,947	790	0.21	110	0.03	
1st qtr '04	157,526	490	0.29	390	0.23	
2nd qtr '04	80,599	540	0.17	760	0.23	
3rd qtr '04	86,505	410	0.13	600	0.2	
4th qtr '04	194,170	2,000	1.47	190	0.14	
						Lab indicated no TPH(D) or TPH(G) present.
1st qtr '05	341,069	430	0.56	530	0.68	Concentration is from light Oil in the C12-C36 range.
2nd qtr '05	179,817	450	0.31	370	0.25	
3rd qtr '05	301,592	620	0.71	360	0.41	
4th qtr '05	187,467	75	0.05	84	0.06	



Graph 1: Contaminant removal by quarter, Ground Water Extraction (GWE) system, Redwood Oil Bulk Plant, 455 Yolanda Ave., Santa Rosa, CA

APPENDIX C

CHAIN OF CUSTODY AND LABORATORY ANALYTICAL REPORTS

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Jim Green **ECM Group**

290 W. Channel Rd.

Lab Certificate Number: 45675

Issued: 10/17/2005

Benicia, CA 94510

Project Location: 455 Yolanda Avenue, Santa

Rosa

Project Number: 98-507-91 Project Name: Yolanda

P.O. Number: 98-507-91 Global ID: T0609700708

Certificate of Analysis - Final Report

On October 06, 2005, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix Liquid **Test**

EDF

TPH-Extractable-SGCU EPA 8260B EPA 624 TPH as Gasoline - GC-MS Comments

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346). If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

Laurie Glantz-Murphy Laboratory Director

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ECM Group

290 W. Channel Rd. Benicia, CA 94510

Attn: Jim Green

Date Received: 10/6/2005 12:07:05 PM

Project Number: 98-507-91 Project Name: Yolanda

GlobalID: T0609700708 P.O. Number: 98-507-91

Certificate of Analysis - Data Report

Sample Collected by: Client

Matrix: Liquid Sample Date: 10/3/2005 11:15 AM

Lab #: 45675-001	Sample ID: Influent				Matrix: Lic	uid Sample D	Date: 10/3/2005	11:15 AM
EPA 3510C EPA 8015 M	MOD.(Extractable with Silica Result Oua		up) Detection Limit	Units	Prep Date	Prep Batch	TPH-Exti Analysis Date	actable-SGCU QC Batch
TPH as Diesel	75	1.0	50	μg/L	10/7/2005	DW051007BS	10/12/2005	DW051007BS
Surrogate o-Terphenyl	Surrogate Recovery 52.5		Limits (%) - 137				Analyzed by: Erick Reviewed by: ECu	

EPA 5030C EPA 8260B EPA 62	4						8	8260Petroleum
Parameter	Result Qua	l D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND	5.0	2.5	μg/L	N/A	N/A	10/14/2005	WM1051014
Toluene	ND	5.0	2.5	μg/L	N/A	N/A	10/14/2005	WM1051014
Ethyl Benzene	ND	5.0	2.5	μg/L	N/A	N/A	10/14/2005	WM1051014
Xylenes, Total	ND	5.0	2.5	μg/L	N/A	N/A	10/14/2005	WM1051014
Methyl-t-butyl Ether	84	5.0	5.0	μg/L	N/A	N/A	10/14/2005	WM1051014
tert-Butyl Ethyl Ether	ND	5.0	25	μg/L	N/A	N/A	10/14/2005	WM1051014
tert-Butanol (TBA)	ND	5.0	50	μg/L	N/A	N/A	10/14/2005	WM1051014
Diisopropyl Ether	ND	5.0	25	μg/L	N/A	N/A	10/14/2005	WM1051014
tert-Amyl Methyl Ether	ND	5.0	25	μg/L	N/A	N/A	10/14/2005	WM1051014

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: XBian
4-Bromofluorobenzene	93.0	70 - 130	Reviewed by: MaiChiTu
Dibromofluoromethane	124	70 - 130	
Toluene-d8	112	70 - 130	

EPA 5030C GC-MS								TPH as Gas	oline - GC-MS
Parameter	Result Q	ual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		5.0	250	μg/L	N/A	N/A	10/14/2005	WM1051014
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: XBian	n
4-Bromofluorobenzene	105		70	- 130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	113		70	- 130					
Toluene-d8	106		70	- 130					

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ECM Group

Toluene-d8

290 W. Channel Rd. Benicia, CA 94510 Attn: Jim Green Date Received: 10/6/2005 12:07:05 PM

Project Number: 98-507-91 Project Name: Yolanda GlobalID: T0609700708 P.O. Number: 98-507-91

Certificate of Analysis - Data Report

Sample Collected by: Client

Lab#: 45675-002	Sample ID: MID]	Matrix: Liq	uid Sample D	Date: 10/3/2005	10:25 AM
EPA 3510C EPA 8015 Parameter	MOD.(Extractable with Silica Result Qua		up) Detection Limit	Units	Prep Date	Prep Batch	TPH-Extr Analysis Date	actable-SGCU QC Batch
TPH as Diesel	ND	1.0	50	μg/L	10/7/2005	DW051007BS	10/12/2005	DW051007BS
Surrogate o-Terphenyl	Surrogate Recovery 66.6	Control	Limits (%) - 137				Analyzed by: EricKum Reviewed by: ECunniffe	

624							8260Petroleum
Result Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
ND	1.0	0.50	μg/L	N/A	N/A	10/13/2005	WM1051013
ND	1.0	0.50	μg/L	N/A	N/A	10/13/2005	WM1051013
ND	1.0	0.50	μg/L	N/A	N/A	10/13/2005	WM1051013
ND	1.0	0.50	μg/L	N/A	N/A	10/13/2005	WM1051013
ND	1.0	1.0	μg/L	N/A	N/A	10/13/2005	WM1051013
ND	1.0	5.0	μg/L	N/A	N/A	10/13/2005	WM1051013
ND	1.0	10	μg/L	N/A	N/A	10/13/2005	WM1051013
ND	1.0	5.0	μg/L	N/A	N/A	10/13/2005	WM1051013
ND	1.0	5.0	μg/L	N/A	N/A	10/13/2005	WM1051013
	Result Qual ND ND ND ND ND ND ND ND ND N	Result Qual D/P-F ND 1.0 ND 1.0	Result Qual D/P-F Detection Limit ND 1.0 0.50 ND 1.0 0.50 ND 1.0 0.50 ND 1.0 0.50 ND 1.0 1.0 ND 1.0 5.0 ND 1.0 10 ND 1.0 5.0 ND 1.0 5.0	Result Qual D/P-F Detection Limit Units ND 1.0 0.50 μg/L ND 1.0 0.50 μg/L ND 1.0 0.50 μg/L ND 1.0 0.50 μg/L ND 1.0 1.0 μg/L ND 1.0 5.0 μg/L ND 1.0 10 μg/L ND 1.0 5.0 μg/L ND 1.0 5.0 μg/L	Result Qual D/P-F Detection Limit Units Prep Date ND 1.0 0.50 μg/L N/A ND 1.0 1.0 μg/L N/A ND 1.0 5.0 μg/L N/A ND 1.0 10 μg/L N/A ND 1.0 5.0 μg/L N/A ND 1.0 5.0 μg/L N/A	Result Qual D/P-F Detection Limit Units Prep Date Prep Batch ND 1.0 0.50 μg/L N/A N/A ND 1.0 0.50 μg/L N/A N/A ND 1.0 0.50 μg/L N/A N/A ND 1.0 1.0 μg/L N/A N/A ND 1.0 1.0 μg/L N/A N/A ND 1.0 5.0 μg/L N/A N/A ND 1.0 1.0 μg/L N/A N/A ND 1.0 1.0 μg/L N/A N/A ND 1.0 1.0 μg/L N/A N/A	Result Qual D/P-F Detection Limit Units Prep Date Prep Batch Analysis Date ND 1.0 0.50 μg/L N/A N/A 10/13/2005 ND 1.0 0.50 μg/L N/A N/A 10/13/2005 ND 1.0 0.50 μg/L N/A N/A 10/13/2005 ND 1.0 1.0 μg/L N/A N/A 10/13/2005 ND 1.0 5.0 μg/L N/A N/A 10/13/2005

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: XBian
4-Bromofluorobenzene	94.4	70 - 130	Reviewed by: MaiChiTu
Dibromofluoromethane	120	70 - 130	

- 130

EPA 5030C GC-MS								TPH as Gas	oline - GC-MS
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	μg/L	N/A	N/A	10/13/2005	WM1051013
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: XBia	n
4-Bromofluorobenzene	106		70	- 130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	110		70	- 130					
Toluene-d8	101		70	- 130					

108

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM1051013 Validated by: MaiChiTu - 10/14/05

QC Batch Analysis Date: 10/13/2005

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	μg/L
Diisopropyl Ether	ND	1	5.0	μg/L
Ethyl Benzene	ND	1	0.50	μg/L
Methyl-t-butyl Ether	ND	1	1.0	μg/L
tert-Amyl Methyl Ether	ND	1	5.0	μg/L
tert-Butanol (TBA)	ND	1	10	μg/L
tert-Butyl Ethyl Ether	ND	1	5.0	μg/L
Toluene	ND	1	0.50	μg/L
Xylenes, Total	ND ·	1	0.50	μg/L

Surrogate for Blank	% Recovery	Cont	Limits	
4-Bromofluorobenzene	91.7	70	- '	130
Dibromofluoromethane	113	70	-	130
Toluene-d8	110	70	-	130

Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WM1051013

QC Batch Analysis Date: 10/13/2005

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	μg/L

Surrogate for Blank	% Recovery	Cont	rol	Limits
4-Bromofluorobenzene	106	70	-	130
Dibromofluoromethane	103	70	-	130
Toluene-d8	103	70	-	130

Validated by: MaiChiTu - 10/14/05

Phone: (408) 588-0200 Fax: (408) 588-0201 3334 Victor Court , Santa Clara, CA 95054

Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

70 - 130

Reviewed by: MaiChiTu - 10/14/05 QC Batch ID: WM1051013

QC Batch ID Analysis Date: 10/13/2005

98.7

L	C	S	

LUS						B
Parameter	Method Blar	ık Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	< 0.50	20	20.3	μg/L	102	70 - 130
Methyl-t-butyl Ether	<1.0	20	17.7	μg/L	88.5	70 - 130
Toluene	<0.50	20	21.2	μg/L	106	70 - 130
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	86.6	70 - 130				
Dibromofluoromethane	104	70 - 130				

LCSD

Toluene-d8

Parameter	Method B	lank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits	
Benzene	<0.50	20	20.2	μg/L	101	0.49	25.0	70 - 130	
Methyl-t-butyl Ether	<1.0	20	17.7	μg/L	88.5	0.0	25.0	70 - 130	
Toluene	<0.50	20	20.7	μg/L	104	2.4	25.0	70 - 130	
Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	86.2	70 - 130							
Dibromofluoromethane	100	70 - 130							
Toluene-d8	97	70 - 130							

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS

Reviewed by: MaiChiTu - 10/14/05 QC Batch ID: WM1051013

QC Batch ID Analysis Date: 10/13/2005

LCS

Parameter TPH as Gasoline	Method Bla <25	ank Spike Amt 120	SpikeResult 131	Units μg/L	% Recovery 105			Recovery Limits 65 - 135	
Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	99.3	70 - 130							
Dibromofluoromethane	93.6	70 - 130							
Toluene-d8	97.8	70 - 130							
LCSD Parameter	Method Bla	ank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits	
TPH as Gasoline	<25	120	125	μg/L	100	4.3	25.0	65 - 135	
Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	99.1	70 - 130							
Dibromofluoromethane	93.1	70 - 130							
Toluene-d8	97.2	70 - 130							

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM1051013 Reviewed by: MaiChiTu - 10/14/05

QC Batch ID Analysis Date: 10/13/2005

MS Sample Spiked: 45677-001

Davameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Parameter Benzene	ND	20	20.5	μg/L	10/13/2005	•	70 - 130
Toluene	ND	20	22.0	μg/L	10/13/2005	110	70 - 130

Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	86.6	70	-	130		
Dibromofluoromethane	100	70	-	130		
Toluene-d8	98.9	70	-	130		

MSD Sample Spiked: 45677-001

Parameter	Sampl Resul	•	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	20.3	µg/L	10/13/2005	102	0.98	25.0	70 - 130
Toluene	ND	20	21.4	μg/L	10/13/2005	107	2.8	25.0	70 - 130

Surrogate	% Recovery	Control Limits			
4-Bromofluorobenzene	86.3	70	-	130	
Dibromofluoromethane	100	70	-	130	
Toluene-d8	96.8	70	-	130	

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM1051014 Validated by: MaiChiTu - 10/17/05

QC Batch Analysis Date: 10/14/2005

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	μg/L
Diisopropyl Ether	ND	1	5.0	μg/L
Ethyl Benzene	ND	1	0.50	μg/L
Methyl-t-butyl Ether	ND	1	1.0	μg/L
tert-Amyl Methyl Ether	ND	1	5.0	μg/L
tert-Butanol (TBA)	ND	1	10	μg/L
tert-Butyl Ethyl Ether	ND	1	5.0	μg/L
Toluene	1.0	1	0.50	μg/L
Xylenes, Total	ND	1	0.50	μg/L

Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	94.0	70	-	130		
Dibromofluoromethane	112	70	-	130		
Toluene-d8	109	70	_	130		

Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WM1051014 Validated by: MaiChiTu - 10/17/05

QC Batch Analysis Date: 10/14/2005

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	μg/L

Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	106	70	-	130	
Dibromofluoromethane	103	70	-	130	
Toluene-d8	103	70	-	130	

Phone: (408) 588-0200 Fax: (408) 588-0201 3334 Victor Court , Santa Clara, CA 95054

Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

Reviewed by: MaiChiTu - 10/17/05 QC Batch ID: WM1051014

QC Batch ID Analysis Date: 10/14/2005

97.7

102

LCS
D

Parameter	Method Blan	k Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	< 0.50	20	20.9	μg/L	104	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.2	μg/L	91.0	70 - 130
Toluene	1.0	20	22.0	μg/L	110	70 - 130
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	89.8	70 - 130				
Dibromofluoromethane	104	70 - 130				

LCSD

Dibromofluoromethane

Toluene-d8

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	< 0.50	20	20.5	μg/L	102	1.9	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.1	μg/L	90.5	0.55	25.0	70 - 130
Toluene	1.0	20	21.9	μg/L	110	0.46	25.0	70 - 130
Surrogate	% Recovery Co	ontrol Limits						
4-Bromofluorobenzene	89.2	70 - 130						

70 - 130 97.1 Toluene-d8

70 - 130

70 - 130

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS Reviewed by: MaiChiTu - 10/17/05

QC Batch ID: WM1051014

QC Batch ID Analysis Date: 10/14/2005

	\sim
Ł	

Parameter TPH as Gasoline	Method B <25	lank Spike Amt 120	SpikeResult 120	Units μg/L	% Recovery 95.8	Recovery Limits 65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	99.8	70 - 130				
Dibromofluoromethane	94.1	70 - 130				
Toluene-d8	97.7	70 - 130				

LC2D	
Parame	tar

Parameter	Method B	lank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	120	116	μg/L	92.9	3.1	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	102	70 - 130						
Dibromofluoromethane	93	70 - 130						
Toluene-d8	97	70 - 130						

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM1051014Reviewed by: MaiChiTu - 10/17/05

QC Batch ID Analysis Date: 10/14/2005

MS Sample Spiked: 45694-003

	Sample	Spike	Spike		Analysis		Recovery
Parameter	Result	Amount	Result	Units	Date	% Recovery	Limits
Benzene	ND	20	20.4	μg/L	10/14/2005	102	70 - 130
Methyl-t-butyl Ether	60.5	20	68.2	μg/L	10/14/2005	38.5	70 - 130
Toluene	ND	20	21.2	μg/L	10/14/2005	106	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	87.3	70 - 130
Dibromofluoromethane	104	70 - 130
Toluene-d8	98.7	70 - 130

MSD Sample Spiked: 45694-003

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	20.1	μg/L	10/14/2005	100	1.5	25.0	70 - 130
Methyl-t-butyl Ether	60.5	20	68.5	μg/L	10/14/2005	40.0	3.8	25.0	70 - 130
Toluene	ND	20	21.1	ua/L	10/14/2005	106	0.47	25.0	70 - 130

Surrogate	% Recovery	Control Limits		Limits
4-Bromofluorobenzene	88	70	-	130
Dibromofluoromethane	105	70	-	130
Toluene-d8	98.8	70	-	130

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Laboratory Control Sample / Duplicate - Liquid - EPA 8015 MOD.(Extractable with Silica Gel Cleanup) - TPH-

Extractable-SGCU

QC/Prep Batch ID: DW051007BS Reviewed by: dba - 10/10/05

QC/Prep Date: 10/7/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	836	μg/L	83.6	35 - 109
TPH as Motor Oil	<200	1000	705	μg/L	70.5	30 - 132

Surrogate % Recovery Control Limits o-Terphenyl 69.1 16 - 137

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	874	μg/L	87.4	4.5	25.0	35 - 109
TPH as Motor Oil	<200	1000	655	μg/L	65.5	7.4	25.0	30 - 132

Surrogate% RecoveryControl Limitso-Terphenyl68.916 - 137

□ NPDES Detection Limits □ EDD Report Required □ EDF Report Required □ PDF File Required Chain of Custody / Analysis Request Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Ti, V, Zn, W∶ RCRA-8 ☐ CAM-17 ☐ Plating ☐ PPM-13 ☐ LUFT-5 ☐ 100-SL9ST Remarks Zip Phone State Company REDNOOD Send Invoice to (if Different) Billing Address (if Different) Special Instructions or Comments Project Number: ourchase Order No (Reqd).: YOUNDA Project Location: roject Name: Metals: 787-751-0653 Phone No.: 707-751-0(555 ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 4 Day ☐ 5 Day Time: Composite **Turn Around Time** (408) 588-0201 - Fax Entech Analytical Labs, Inc. Date: (408) 588-0200 365/10:25 State: Sampling email: Received by: Mailing Address: BOX SOZ Field Org. Code: Lab. No. Santa Clara. CA 95054 JIM GRECK GLM GROUP 3334 Victor Court Field PT Relinquished by: Company Name: NFRUENT Client ID: Attention to: Order ID:

APPENDIX D FIELD NOTES

REDWOOD Oil CO. 455 YOLANDA AVE., SANTA ROSA Ground Water Treatment System Operations and Maintenance Log

11 7
Date 3 Oct 05 Time 1/30 Technician MAHONSY
GWE/SVE#1: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#2: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#3: Reg. Pressure PSI Depth to Water: Tt Operational
GWE/SVE#4: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#5: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#6 Reg. Pressure PSI Depth to Water: Ft:Operational
GWE/SVE#7: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational
PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational
PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational
PMCS#3: Reg. Pressure PSI Depth to Water: Ft. Operational /
PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational
PMCS#5: Reg. Pressure PSI Depth to Water: Ft. Operational
PMCS#6: Reg. PressurePSI Depth to Water: Ft.Operational
GWE Compressor:
Hour Meter Pressure Setting PSI Air Filter Condition
Operational Belts Changed:Oil Filter Changed: Receiver Tank Drained
Totalizer Reading 953125.2
Previous Totalizer Reading Date&Time
GPM(This reading minus previous reading):
Comments: SUSTEM V ON ARZINAL (SOUT V 9(30)
CIPALON SZADION CAUS STREET STREET
TRANGER PUNIS ANEZNIZEL DIE VERZA Stowne
(Poressul + 420 157 IN 18
A second
CHARLED FALTER 3.49 PSI IN: 8
DZAMED HODIAN TANK
DUSCERI V ON DERKETIKE.

AEDWOOD Oil CO. 455 YOLANDA AVE., SANTA ROSA Ground Water Treatment System Operations and Maintenance Log

w 1 1 1 1

ECM PROJECT #98-507-91 Dit 05 Time 1000 GWE/SVE#1: Reg. Pressure PSI Depth to Water: '-* Ft Operational GWE/SVE#2: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#3: Reg. Pressure + PSI Depth to Water: 1 *Ft Operational GWE/SVE#4: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#5; Reg. Pressure Ft Operational PSI Depth to Water: # GWE/SVE#6 Rea: Pressure PSI Depth to Water et Et Operational GWE/SVE#7: Reg. Pressure PSI Depth to Water: Ft.Operational GWE/SVE#8: Reg. Pressure PSI Depth-to Water: Ft.Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: 14. : Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: " · Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: 44 *Ft.Operational PSI Depth to Water: 74 PMCS#4: . Reg. Pressure Ft Operational PSI . Depth to Water: PMCS#5: Reg. Pressure Ft Operational PMCS#6: -Reg. Pressure PSI Depth to Water: Ft Operational GWE Compressor: Hour Meter Pressure Setting - PSI Air Filter Condition -Operational - Belts Changed: - Oil Filter Changed: - Receiver Tank Drained Totalizer Reading 953304.7 -4-41-47 PEC Previous Totalizer Reading -Date&Time GPM(This reading minus previous reading): STEAL ME · 有一个一个一个一个一个一个一个

REDWOOD OII CO. 455 YOLANDA AVE., SANTA ROSA. Ground Water Treatment System. Operations and Maintenance Log

			11
Date - 1.4 Oct 05 Time /	600.	Technician_	MAHONEY
GWE/SVE#1: Reg. Pressure	PSI Depth to	Water	Ft Operational
	PSI Depth to	T. said . william .	Ft Operational
		Water:	Ft Operational
	PSI Depth to		Ft Operational
/ \	PSI Depth to	and the sea of the	Ft Operational
	PSI Depth to	C. Street Street Control	Ft Operational
and the state of t	PSI Depth to	-Family 1	Ft Operational
	PSI Depth-to	4	Ft Operational
	PSI Depth to \	·	Ft Operational
	SI Depth to \	1 -	Ft Operational
	SI Depth to V		Ft Operational
	SI Depth to V		Ft Operational
· 1000 ·	SI Depth to V		Ft.Operational
	SI Depth to V	· - x ·	Ft Operational
	SI . Depth to V		Ft Operational
	SI Depth to V	The state of the s	Ft Operational
		超级 1	
GWE Compressor:		The state of	7, 1747 178 1785 1745
Hour Meter Pressure Setting Operational Belts Changed:		r Filter Condi	
	Oll Filter Criaria	led nec	Siver rank brained
Totalizer Reading 353994.3			1
Previous Totalizer Reading	Date&Time		***************************************
GPM(This reading minus previous read	ing):	-	
Comments: 57457.24. V	ON. AR	20A/	95 as f
Closeto, stadens ca	u s	· ATTORNEY	7 1 Na schemp (In
JUSTERS VI FOR not	ONDRESSO	8 WOR	CK DFN.
16 16 20			
GWAP OUT OR	FOR NE	(U)	
		A PERMINANT	The second secon
- All buttons Magi	MI ATEL	20 1161	
THE SUBJECT FUNK PA	NY UJACK	JUST 1	
/-		-	Land the spiritual of
//			

GEDWOOD OIL CO. 455 YOLANDA AVE., SANTATROSA. Ground Water Treatment System. Operations and Maintenance Log

ECM PROJECT #98-507-91	-	-		
Oct.	715			Malline
Date 21 ANY 05 Time_	1.0.0	0	Technician_	V JAS HONZY
GWE/SVE#1: Reg. Pressure	PSI	Depth to	Water: ··	Ft Operational
GWE/SVE#2: Reg. Pressure	PSI	Depth to	and a Constant	Ft.Operational
GWE/SVE#3: Reg. Pressure/	PSI	Depth to	1 - 1	Ft Operational \
GWE/SVE#4: Reg. Pressure	PSI	Depth to		Ft Operational
GWE/SVE#5; Reg. Pressure	PSI	Depth to	and to the section of	-V Ft Operational /
GWE/SVE#6 Reg. Pressure	PSI	Depth to	A Share Branch	Ft Operational /
GWE/SVE#7: Reg. Pressure	PSI	Depth to	-0't -1: · '.	Ft Operational
GWE/SVE#8: Reg. Pressure	PSI	Depth-to	- 1	Ft Operational
GWE/SVE#9: Reg. Pressure	PSI	Depth to	7. Y	Ft Operational
GWE/SVE#10:Rag. Pressure_	_	Depth to		Ft Operational
PMCS#1: Reg. Pressure		Depth to		Ft Operational
PMCS#2: Reg. Pressure		Depth to	- 1	Ft Operational
PMCS#3: Reg. Pressure		Depth to \	the state of the s	Ft Operational
PMCS#4: Reg. Pressure	_	Depth to.\		Ft Operational
PMCS#5: Reg. Pressure	_	Depth to \		Ft Operational
PMCS#6: Reg. Pressure	_	Depth to V		Ft Operational
				A Land of Services
GWE Compressor:			A TOUR	· · · · · · · · · · · · · · · · · · ·
Hour Meter Pressure Setti	-	_	r Filter Condi	
Operational Belts Changed:	_Oii Fi	iter Chang	ged:Rece	eiver Tank Drained
Totalizer Reading 9556063				and the state of
Previous Totalizer Reading	Date	&Time		人名英格兰克斯斯 ·
GPM(This reading minus previous rea	eding):			17 17 1
5.50 / 6	7.0	100	: 11	
Comments:	:00	HAKY	AND THE PARTY	The second second
A DONE DONE	A-US	7	alein	45 66/11
2014 X 550 1 01 500 150	2) !	0 1	1 Ste IN	7. OFF CUIN
- CHAN / EUF	4	ECE .	10th	DELICATION OF THE PARTY OF THE
PSE ID WISHE! A	19	<t:< td=""><td>The state of the s</td><td>9. AND PARTY OF STREET</td></t:<>	The state of the s	9. AND PARTY OF STREET
(DU DESSOIR ME ET	- 18	O PAT	-	The second second
RENOVED DE THE		The sal	wild and	MATTER CHAS
Le Redistrict	1	12014		
			to some the of	arger and propriet.
STILL A DIL OCK'S	21,7	-	/	2000 A. C.

REDWOOD Oil CO. 144.455 YOLANDA AVE., SANTA ROSA Ground Water Treatment System Operations and Maintenance Log

Date 78 Oct 05 Time 1550 Technician Makenty	
The state of the s	
GWE/SVE#1: Reg. Pressure PSI Depth to Water: Ft Operational	_
GWE/SVE#2: Reg. Pressure PSI Depth to Water: Ft Operational	_
GWE/SVE#3: Reg. Pressure PSI Depth to Water: Ft Operational	1
GWE/SVE#4: Reg. Pressure / PSI Depth to Water: / Ft Operational	1
GWE/SVE#5: Reg. Pressure / PSI Depth to Water: Ft Operational /	_
GWE/SVE#6 Reg. Pressure PSI Depth to Water: Ft.Operational	
GWE/SVE#7: Reg. Pressure PSI Depth to Water: Ft Operational	
GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft.Operational	-
GWE/SVE#9: Reg. Pressure_ PSI Depth to Water: Ft Operational	
GWE/SVE#10:Reg. Pressure PSI Depth to Water: / Ft Operational	
PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational	
PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational	1
PMCS#3: Reg. Pressure PSI Depth to Water: Tt. Operational	1
PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational	
PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational	1
PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational /	
GWE Compresspr:	
Hour Meter Pressure Setting — PSI Air Filter Condition	
Operational Belts Changed: Oil Filter Changed: Receiver Tank Drained	_
Totalizer Reading 972783.9	
Previous Totalizer Reading Date&Time	
GPM(This reading minus previous reading):	
Comments: 5 HSTSM 1 CON ARROW	
- PAR ET CONTRACTOR A COME PORTER THAT IS	
VIALE HOSE (1605/60 motel) Schullentt. Che tiver OUT	_
HOSE BAND BURNS FORCE ON LINE.	_
The proof of the service of the serv	_
COMPRESSOR CUCKE: X 2 WINTERS	
2 6 WW DE	
SISTEM A ON GERARTURE	

REDWOOD Oil CO. 455 YOLANDA AVE., SANTA ROSA. Ground Water Treatment System. Operations and Maintenance Log.

	11/1/
Date 4 100 05 Time 1500 Technician	MAHONEY
GWE/SVE#1: Reg. PressurePSI Depth to Water:	Ft Operational (
GWE/SVE#2: Reg. PressurePSI Depth to Water:	Ft Operational \
GWE/SVE#3: Reg. Pressure PSI Depth to Water:	Y Ft Operational
GWE/SVE#4: Reg. Pressure PSI Depth to Water:	Ft Operational /
GWE/SVE#5. Reg. Pressure PSI Depth to Water:	Ft Operational /
GWE/SVE#6 Reg. Pressure PSI Depth to Water:	Ft:Operational /
GWE/SVE#7: Reg. Pressure PSI Depth to Water:	Ft,Operational
GWE/SVE#8: Reg. Pressure PSI Depth-to Water:	Ft Operational _
GWE/SVE#9: Reg. PressurePSI Depth to Water:	Ft Operational
GWE/SVE#10:Reg. Pressure PSI Depth to Water:	Ft Operational
PMCS#1: Reg. Pressure PSI Depth to Water:	_Ft Operational/_
PMCS#2: Reg. Pressure PSI Depth to Water:	_Ft Operational
PMCS#3: Reg. Pressure PSI Depth to Water:	Ft.Operational
PMCS#4: Reg. Pressure PSI Depth to Water:	Ft_Operational\
PMCS#5: Reg. Pressure PSI Depth to Water:	Ft Operational \
PMCS#6: Reg. Pressure PSI Depth to Water; Set 12	Ft Operational
	20 Jan 1 Carlotte
GWE Compressor:	A STATE AND STATE OF
Hour Meter Pressure Setting PSI Air Filter Condi	
Operational ——Belts Changed: ——Oil Filter Changed: ——Rece	aiver lank Drained
Totalizer Reading 9840651	
Previous Totalizer Reading Date&Time	19 电流传播 医乳腺学
GPM(This reading minus previous reading):	
Comments: DUSTEM & ON ARRIVAL	44
CIPARTO STRANGE TANS	2 September 200
Suntestore Merting & out New 8 450.	CE
1 1 1 1 1 May 453Er.	DAL TANK
DFF AT 180 0	10 AO
DE AT ROYAL	(NTOZ
ON AT 145 PET TANK & 80 75TM	REUXTOZ
	0
SUSTEM ON JEPAZICKE.	to get the gray subsection to

AEDWOOD Oil CO. 455 YOLANDA AVE., SANTA ROSA. Ground Water Treatment System. Operations and Maintenance Log.

1.47	,1-7
Date 14- NOV 05 Time 0	315 Technician MAHOWEN
	The state of the s
GWE/SVE#1: Reg. PressurePS	SI Depth to Water: Ft Operational
GWE/SVE#2: Reg. Pressure PS	SI Depth to Water: Ft Operational
GWE/SVE#3: Reg. Pressure PS	SI Depth to Water: Ft Operational
GWE/SVE#4: Reg. Pressure PS	SI Depth to Water: Ft Operational
GWE/SVE#5: Reg. Pressure PS	Depth to Water: Ft Operational
GWE/SVE#6 Reg: Pressure PS	Depth to Water: Ft Operational
GWE/SVE#7: Reg. Pressure PS	Depth to Water: -\ Ft.Operational
GWE/SVE#8: Reg. Pressure PS	I Depth to Water: /\ Ft.Operational
GWE/SVE#9: Reg. Pressure PS	14. プロート 対応を表現を得る。
GWE/SVE#10:Reg. Pressure / PSI	The state of the s
PMCS#1: Reg. Pressure PSI	1 1 1 1 1 2 2 2 2 2 2
PMCS#2: Reg. Pressure PSI	
PMCS#3: Reg. Pressure PSI	The state of the s
PMCS#4: Reg. Pressure PSI	- 三 文 2 7 7 7 6 6 6 6 6 6 6 6 6
PMCS#5: Reg. Pressure PSI	
PMCS#6: Reg. Pressure PSI	100 Park 10
GWE Compressor:	
Hour Meter Pressure Setting	— PSI Air Filter Condition
perationalBelts Changed:Oil	Filter Changed: Receiver Tank Drained
otalizer Reading. 1012997.2	and the second of the second o
	ate&Time
PM(This reading minus previous reading	
8	1-4
omments: DUSCEPL A WEY	AZZE Af Commence of the second
Graden gradient thus	Service Complete Comp
-FER YUMD ON 18 SEE 11	N-8"
PATOTO	OUT-64
	town, Abrell and Aprell
OMPRESSOR Cycle: IMIN 50 Sec	(ON) ON MY 150 PS 1 80 A
5 MIN 10 38	EC HE OFF AT 180 DIT 12 MT A
	The form
System A ON SIDARTUR	£
The state of the s	The second secon

REDWOOD OIL CO. 455 YOLANDA AVE. SANTATROSA. Ground Water Treatment System. Operations and Maintenance Log.

		, , , ,
Date Z D & D 5 Time 1	530 Technician	MAHONEY
01415101/5#4		to the state of th
GWE/SVE#1: Reg. PressurePS	The second second	Ft Operational
GWE/SVE#2: Reg. PressurePS		Ft Operational 1
GWE/SVE#3: Reg. Pressure PS		Ft Operational
GWE/SVE#4: Reg. Pressure PS	Depth to Water:	Ft Operational
GWE/SVE#5: Reg. Pressure PS	Depth to Water:	Ft Operational
GWE/SVE#6 Reg: Pressure PS	Depth to Water:	Ft:Operational
GWE/SVE#7: Reg. PressurePS	Depth to Water:	Ft Operational
GWE/SVE#8: Reg. Pressure PS	Depth to Water:	Ft Operational
GWE/SVE#9: Reg. Pressure PS	Depth to Water:	Ft Operational
GWE/SVE#10:Reg. PressurePS	Depth to Water:	Ft Operational \
PMCS#1: Reg. Pressure PS	Depth to Water:	Ft Operational
PMCS#2: Reg. Pressure PSI	Depth to Water:	Ft Operational
PMCS#3: Reg. Pressure PSI	Depth to Water:	Ft.Operational /
PMCS#4: Reg. Pressure PSI	Depth to Water:	Ft Operational /
PMCS#5: Reg. Pressure PSI	. Depth to Water:	Ft Operational .
PMCS#6: Reg. Pressure PSI	Depth to Water; 9400	Ft Operational
	· · · · · · · · · · · · · · · · · · ·	The same training
GWE Compressor:		The state of the s
Hour Meter Pressure Setting		
Operational — Belts Changed: — Oil	Filter Changed:	cerver rank Drained
Totalizer Reading 1053358.4		131/5HT
Previous Totalizer Reading D	ate&Time	
GPM(This reading minus previous reading	g):	
Comments: 54518M 1 DN	199, JA / Course	15602 DAG AT BREAK
CITAL STRAIGHT CANS	THE STATE OF THE S	Copyright Copyrights
A	45 58C (15	TO 941 / B3 AT 252\
PFF: 3 MIT	1	30 04 4447 820
		8
	10-23-00	The state of the s
		Procedure (Contractor Contractor
SUSTEU 1 ON DEDAR	TUR3	The september of
1		
+ COMPRESSOR OIL & +	4R FIHER C	HAURED 1105 -
/	. , ,	A

REDWOOD OII CO. 455 YOLANDA AVE., SANTA ROSA Ground Water Treatment System Operations and Maintenance Log

Technician A Solve GWE/SVE#1: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#2: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#3: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#4: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#5: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#10: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#110: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#12: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#12: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#12: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#12: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#12: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#12: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#2: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#3: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#4: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#5: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational GWE Compressor: Hour Meter Pressure Setting PSI Air Filter Condition Department Pressure Setting PSI Air Filter Condition Department Pressure Setting PSI Air Filter Condition Department Pressure PSI Depth to Water: Pt Operational GWE Compressor: Hour Meter Pressure Setting PSI Air Filter Condition Department Pressure PSI Depth to Water: Pt Operational Department PSI Depth to Water: Pt Operational Department PSI Depth to Water: Pt Operational Depth to Water: Pt Operation	GWE/SVE#1: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#2: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#3: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#4: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#5: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reading PMCS#6: Readi	GWE/SVE#1: Reg. Pressure PSI Depth to V GWE/SVE#3: Reg. Pressure PSI Depth to V GWE/SVE#4: Reg. Pressure PSI Depth to V GWE/SVE#4: Reg. Pressure PSI Depth to V GWE/SVE#5: Reg. Pressure PSI Depth to V	Water: Ft Operational Water: Ft Operational Water: Ft Operational
GWE/SVE#2: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#3: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#4: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#5: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#6 Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Pt Operational PMCS#1: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#2: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#3: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#3: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#4: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pt Operational PMCS#6: Reg. Pt Operational PMCS#6: Reg. Pt Oper	GWE/SVE#2: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#3: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#4: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#7: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Properational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Properational PMCS#2: Reg. Pressure PSI Depth to Water: Properational PMCS#2: Reg. Pressure PSI Depth to Water: Properational PMCS#3: Reg. Pressure PSI Depth to Water: Properational PMCS#4: Reg. Pressure PSI Depth to Water: Properational PMCS#4: Reg. Pressure PSI Depth to Water: Properational PMCS#6: Reg. Pressure PSI Depth to Water:	GWE/SVE#2: Reg. Pressure PSI Depth to V GWE/SVE#3: Reg. Pressure PSI Depth to V GWE/SVE#4: Reg. Pressure PSI Depth to V GWE/SVE#5: Reg. Pressure PSI Depth to V	Water: Ft Operational (Water: Pt Operational (
GWE/SVE#2: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#3: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#4: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#5: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#6 Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Pt Operational PMCS#1: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#2: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#3: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#4: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#4: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure	GWE/SVE#3: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#4: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#4: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#7: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Properational GWE/SVE#10: Reg. Pressure PSI Depth to Water: Properational GWE/SWE#10: Reg. Pressure PSI Depth to Water: Properational GWE/SWE#10: Reg. Pressure PSI Depth to Water: Properational GWE/SWE#1: Reg. Pressure PSI Depth to Water: Properational GWE#1: Reg. Pressure PSI Depth to Water: Properational	GWE/SVE#2: Reg. Pressure PSI Depth to V GWE/SVE#3: Reg. Pressure PSI Depth to V GWE/SVE#4: Reg. Pressure PSI Depth to V GWE/SVE#5: Reg. Pressure PSI Depth to V	Water: Ft Operational (Water: Pt Operational (
GWE/SVE#4: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#4: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#7: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. PRESSURE PMCS#6: Reg. PMCS#6: R	GWE/SVE#3: Reg. Pressure PSI Depth to Water: PT Operational GWE/SVE#4: Reg. Pressure PSI Depth to Water: PT Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: PT Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: PT Operational GWE/SVE#7: Reg. Pressure PSI Depth to Water: PT Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: PT Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: PT Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: PT Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: PT Operational PMCS#1: Reg. Pressure PSI Depth to Water: PT Operational PMCS#2: Reg. Pressure PSI Depth to Water: PT Operational PMCS#3: Reg. Pressure PSI Depth to Water: PT Operational PMCS#4: Reg. Pressure PSI Depth to Water: PT Operational PMCS#4: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. Pressure PSI Depth to Water: PT Operational PMCS#6: Reg. PT Operational PMCS#6: Reg.	GWE/SVE#3: Reg. Pressure PSI Depth to V GWE/SVE#4: Reg. Pressure PSI Depth to V GWE/SVE#5: Reg. Pressure PSI Depth to V	Water: Pt Operational
GWE/SVE#4: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Dept	GWE/SVE#4: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#6: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. PRESSURE PMCS#6: Reg. PRESSURE PMCS#6: Reg. PRESSURE PMCS#6: Reg. PRESSURE PMCS#6: Reg. PMCS#6:	GWE/SVE#4: Reg. Pressure PSI Depth to V	A CONTRACTOR OF THE PARTY OF TH
GWE/SVE#6. Reg. Pressure GWE/SVE#6 Reg. Pressure GWE/SVE#7: Reg. Pressure GWE/SVE#7: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure GWE/SVE#8: Reg. Pressure GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: PMCS#6: Reg. Pressure PSI Depth to Water: PMCS#6: Reg. Pres	GWE/SVE#5. Reg. Pressure GWE/SVE#6 Reg. Pressure GWE/SVE#7: Reg. Pressure GWE/SVE#8: Reg. Pressure GWE/SVE#8: Reg. Pressure GWE/SVE#8: Reg. Pressure GWE/SVE#9: Reg. Pressure GWE/SVE#9: Reg. Pressure GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: PSI Depth	GWE/SVE#5: Reg. Pressure PSI Depth to V	Mater / Ft Operational
GWE/SVE#6 Reg. Pressure GWE/SVE#7: Reg. Pressure GWE/SVE#8: Reg. Pressure GWE/SVE#8: Reg. Pressure GWE/SVE#9: Reg. Pressure GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: PMCS#6: Reg. Pressure PSI Depth to Water: PMCS#6: Reg. Pressure PSI Depth to Water: PMCS#6: Reg. Pressure PMCS#6: Reg. Pressure PMCS#6: Reg. Pressure PMCS#6: Reg. Pressure PMCS	GWE/SVE#6 Reg. Pressure GWE/SVE#7: Reg. Pressure GWE/SVE#8: Reg. Pressure GWE/SVE#8: Reg. Pressure GWE/SVE#9: Reg. Pressure GWE/SVE#9: Reg. Pressure GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: PMCS#6: Reg. Pressure PSI De	The second secon	Vator:
GWE/SVE#7: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. PRESSURE PSI Depth to Wate	GWE/SVE#7: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Wate		Vater: The Ft Operational /
GWE/SVE#8: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Pt Operational PMCS#1: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#2: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#3: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#4: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#5: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. PT Operational PMCS#6: Reg. P	GWE/SVE#8: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#9: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Pt Operational PMCS#1: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#2: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#3: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#4: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#4: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. PT Operational PMCS#6: Reg. P	GWE/SVE#6 Reg. Pressure PSI Depth to V	Vater: Ft Operational /
GWE/SVE#9: Reg. Pressure PSI Depth to Water: Pt Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Pt Operational PMCS#1: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#2: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#3: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#4: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#5: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational PMCS#6: Reg. Pressure Setting PSI Air Filter Condition Poperational Belts Changed: Oil Filter Changed: Receiver Tank Drained PM(This reading minus previous reading): Omments: Pt Operational PSI Air Filter Condition PM(This reading minus previous reading): PSI Air Filter PM(This reading minus previous reading m	GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. PRI Depth to Water: Ft Operational PMCS#6: Reg. PRI Depth to Water: Ft Operational PMCS#6	GWE/SVE#7: Reg. Pressure PSi Depth to V	Vater: Ft Operational
GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. PRI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. PRI Depth to Water: Ft	GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Ope	GWE/SVE#8: Reg. Pressure PSI Depth-to V	Vater: A Ft.Operational
PMCS#1: Reg. Pressure	PMCS#1: Reg. Pressure	GWE/SVE#9: Reg. Pressure PSI Depth to V	Vater: Ft Operational
PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. PSI Depth to Water: Ft Operational	PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#3: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure Setting PSI Air Filter Condition Poperational Belts Changed: Oil Filter Changed: Receiver Tank Drained PMCS#6: Reading Date&Time PM(This reading minus previous reading): Date&Time PMCS\$6\$ DM	GWE/SVE#10:Reg. Pressure PSI Depth to W	Vater: Ft Operational \
PMCS#3: Reg. Pressure PSI Depth to Water: Ft. Operational PMCS#4: Reg. Pressure PSI Depth to Water: Ft. Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft. Operational PMCS#6: Reg. Pressure PSI Air Filter Condition Poperational Belts Changed: Oil Filter Changed: Receiver Tank Drained PMCS#6: Reading PSI Air Filter Changed: Receiver Tank Drained PMCS#6: Reading PSI Air Filter Changed: Receiver Tank Drained PMCS#6: PMCS#6: PMCS#6: PSI Air Filter Changed: Receiver Tank Drained PMCS#6: PMCS#6: PSI Air Filter Changed: Receiver Tank Drained PMCS#6: PMCS#6: PSI Air Filter Changed: PSI Air Filte	PMCS#3: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#4: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#5: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. Pressure PSI Depth to Water: Pt. Operational PMCS#6: Reg. PT. Operational PMCS#6: Reg. PT. Operational PSI Depth to Water: Pt. Operational PMCS#6: Reg. PT. Operational PSI Depth to Water: P	PMCS#1: Reg. Pressure PSI Depth to W	/ater:Ft Operational_
PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure Setting PSI Air Filter Condition Poperational Belts Changed: Oil Filter Changed: Receiver Tank Drained PMCS#6: Reading PSI Air Filter Changed: Receiver Tank Drained PMCS#6: Reading PSI Air Filter Changed: PMCS#6: Receiver Tank Drained PMCS#6: PSI	PMCS#4: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure Setting PSI Air Filter Condition Poperational Belts Changed: Oil Filter Changed: Receiver Tank Drained PMCS#6: Reading PSI Air Filter Changed: Receiver Tank Drained PMCS#6: Reading PSI Air Filter Changed: Receiver Tank Drained PMCS#6: PSI PMCS#6: P	PMCS#2: Reg. Pressure PSI Depth to W	/ater:Ft Operational
PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PSI Dep	PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PT Operational PT Operational PSI Air Filter Condition Poerational Belts Changed: Oil Filter Changed: Receiver Tank Drained PMCThis reading PAGAGO Date&Time PMCThis reading minus previous reading): Omments: Suffer A DA Alaux 15 520 (1400) 182 47 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PMCS#3: Reg. Pressure PSI Depth to W	/ater: Ft Operational /
PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PSI Depth to Water: Ft Operat	PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational PMCS#6: Reg. Pressure PSI Depth to Water: Ft Operational PSI Dep	MCS#4: Reg. Pressure / PSI Depth to W	/ater: Ft Operational /
PSI Depth to Water: Ft. Operational EWE Compressor: four Meter	PSI Depth to Water: Ft. Operational EWE Compressor: four Meter	PMCS#5: Reg. Pressure / PSI Depth to W	/ater: Ft Operational
All Card-Trans North	WE Compressor: Hour Meter Pressure Setting PSI Air Filter Condition Deerational Belts Changed: Oil Filter Changed: Receiver Tank Drained Otalizer Reading		19 S (20 Str. 19 - 80 -
Previous Totalizer Reading Date&Time SPM(This reading minus previous reading): Comments: Sign A DN Allows RMRESSOE ON A LAND 45 520 (14095) 82 AT E ALL DAY OF SEC (185 PS) 42 A RE ALL DAY OF SEC (185 PS) 43 A RE ALL DAY OF SE	PM(This reading minus previous reading): omments: Sistem 1 DN Allows EmpRESSOR DN & I Almost 550 (14695) 72 AT & (18595) 72	four Meter Pressure Setting PSI Air	the state of the s
Omments: Sistem 1 DN AZZIOSS RIPRESSOR DN & 1 AINS 45 520 (14695) 82 AT & RIPRESSOR DN & 1 AINS 45 520 (18595) 42 AT & All Baidition'S Normal.	Omments: Sistem 1 DN AZZIONS RIMPRESSOR ON 1 1 AIN 45 SEC (185 PS) 72 AT E 41 BAIDITIONS NORMAL.	revious Totalizer Reading Date&Time	
All Barditions Normal.	All Barditions NoRMAL.		
All Garditions Normal	All Garditions Normal.		,
41 Garditions NoRMAL	41 GAIDITIONS NORMAL		1.11/20 172 45
41 Garditions NoRMAL	Al Garditions NoRMAL		(14095) 150 A1 4
41 Garditions NoRMAL	41 Constitions NoRMAL	1 AFF : FMINETIS SEC	(195 98) 72 A 4
41 Garditions NORMAL	41 Constitues NoRMAL		TO THE TANK OF THE PERSON OF T
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		AT GATGATONS NORMAL.	

REDWOOD Oil CO. 455 YOLANDA AVE., SANTA ROSA. Ground Water Treatment System. Operations and Maintenance Log

Date 16 DEC Time 1220 Technician MAHONEY
GWE/SVE#1: Reg. Pressure PSI Depth to Water: Ft Operational
the first term of the contract
GWE/SVE#2: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#3: Reg. Pressure / PSI Depth to Water: \ PFt.Operational \
GWE/SVE#4: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#5: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#6 Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#7: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#8: Reg. Pressure PSI Depth to Water: Ft.Operational
GWE/SVE#9: Reg. Pressure PSI Depth to Water: Ft Operational
GWE/SVE#10:Reg. Pressure PSI Depth to Water: Ft Operational
PMCS#1: Reg. Pressure PSI Depth to Water: Ft Operational
PMCS#2: Reg. Pressure PSI Depth to Water: Ft Operational
PMCS#3: Reg. Pressure PSI Depth to Water: Ft. Operational
PMCS#4: Reg. Pressure PSI Depth to Water:
PMCS#5: Reg. Pressure PSI Depth to Water: Ft Operational
PMCS#6: Reg. Pressure PSI Depth to Water: Pt Operational
GWE Compressor: Hour Meter Pressure Setting — PSI Air Filter Condition
Operational Belts Changed: —Oil Filter Changed: —Receiver Tank Drained
Total Care
Totalizer Reading 1108494.9
Previous Totalizer Reading — Date&Time — GPM(This reading minus previous reading):
or My this reading minus previous reading).
Comments: 545TEM 1: ON: ARRIVAL III All BOX of TONG NORMAL.
CITALON TRADOCTANS III WHITE OF CHELLINGS
COMPRESSOR ON: 1. MINOR 40 SEC (180 AT COM) - 92 AT REC
1 MFF: 4. MINIT 25 5EC 140 AT COMP- 84 AT RE
the desired the second
System on SEPARTURE.

REDWOOD Oil CO: 455 YOLANDA AVE. SANTA ROSA Ground Water Treatment System Operations and Maintenance Log

	LOW FILOU		7-01			The state of the s	
	Date - 23	3 D4C D5	Time	115	Technician	MAHONE	, -
				-0		The state of the state of	
GV	VE/SVE#1:	Reg. Pressu	rePS	Depth to	Water:	Fr. Operationa	-
GM	VE/SVE#2:	Reg. Pressu	re_ : _PS	Depth to	Water:	Ft Operationa	
GN	VE/SVE#3:	Reg. Pressu	ra_ / PS	Depth to	Water; -:	Ft Operational	1 1
GW	/E/SVE#4:	Reg. Pressu	re / PS	Depth to	Water: /	Ft Operational	/
GW	/E/SVE#5;	Reg. Pressu	re PS	Depth to	Water:	Fr Operational	7./
	* *	Reg: Pressu		24 3- 11-1	C. Williams Could Server	Ft Operational	
GW	. 1.	Reg. Pressu				Ft Operational	
		Reg. Pressur			F	Ft Operational	1
		Reg. Pressur			14. 1.	Ft Operational	
		Reg. Pressur	7			Ft Operational	1
		Reg. Pressur			-	Ft Operational	
		Reg. Pressur		Depth to	7	Ft Operational	
		Reg. Pressur				The superior of the contract of	
				Depth to	4 Tan 9 1 1 1	Ft Operational	-
		Reg. Pressure		Depth to,		Ft Operational	-
		Reg. Pressure		. Depth to \		Ft Operational	+
PMC	S#6: : 1	Reg. Pressure	PSI PSI	Depth to, \	Water: West in	Ft Operational	
01115		**			# 1 m	Part of the Control o	. /
	Compress Meter		ure Setting	- PSI A	r Filter Cond	tion	
						eiver Tank Draine	ed —
					-	Se Garage	
	lizer Readir		11.5		1. 1. 1.	1 Jah 201 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		er Reading_	vious reading	te&Time			
-1 171	(:ilis readi	ing minitus pro	vious reading	1		-	
Comi	ments: 📝	SUSTEM	A DN .	ARZIVA	the wine	25	
	. 610	2. PT 4780	B-ME MANS		*	Catholic Liberty Services	
	TE		Tue ?			18540.	182
1	OMPRES	SOR DA	11. 1. 14	5	/1	45 AT TANK	182
-	- (: 3:20		112	WAF THAT	74 %
-						s and water of the sale	
	1	1		-	一个一个	er taken in Maler Tenner be	
1	JUAH.	6 001	- Bar	Filte	8	A COASSES	
	. 0					1	
- 5	Systed	1.1	ON OFE	42+URG	a	- per ers-proprintignation	
	P		1		A	1	
				· ·			